# A Few Things to Know Before You Get Going

Remember your battery doesn't come charged.

Make sure you don't remove the battery pack when your phone is charging.

Your warranty is invalidated if you open or tamper with your phone's outer casing.

**Privacy Restrictions**
Some countries require full disclosure of recorded telephone conversations, and stipulate that you must inform the person with whom you are speaking that the conversation is being recorded. Always obey the relevant laws and regulations of your country when using the recording feature of your phone.

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# Health Information and Safety Precautions

When using this product observe the safety precautions below to avoid possible legal liabilities and damages.

Please keep all your safety and operating instructions, and follow them carefully. Observe all warnings in the operating instructions on the product.

To reduce the risk of bodily injury, electric shock, fire, and damage to the equipment, observe the following precautions.

## Electrical Safety

This product is intended soley for use with the designated battery or power supply unit. Other usage may be dangerous and will invalidate any approval given to this product.

## Safety Precautions for Proper Grounding Installation

**Caution:** Connecting to an improperly grounded equipment can result in an electric shock to your phone.

This product is equipped with a USB cable for connecting the product to a desktop or notebook computer. Be sure your computer is properly grounded (earthed) before connecting the product to the computer. The power supply cord of a desktop or notebook computer has an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet which is properly installed and grounded, in accordance with all local codes and ordinances.

## Safety Precautions for Power Supply Unit

- **Use the correct external power source**
  A product should only be operated from the type of power source indicated on the electrical ratings label. If you are not sure of the type of power source required, consult your authorised service provider or local power company.

For a product that operates from battery power or other sources, refer to the operating instructions that are included with the product.

- **Handle battery packs carefully**
  This product contains a Li-ion battery. There is a risk of fire and burns if the battery pack is handled improperly. Do not attempt to open or service the battery pack. Do not disassemble, crush, puncture, short external contacts or circuits, dispose of in fire or water, or expose a battery pack to temperatures higher than 60˚C (140˚F).

**Warning: Danger of explosion if battery is incorrectly replaced. To reduce risk of fire or burns, do not disassemble, crush, puncture, short external contacts, expose to temperature above 60°C (140°F), or dispose of in fire or water. Replace only with specified batteries. Recycle or dispose of used batteries according to the local regulations or reference guide supplied with your product.**

## Take care

- Keep the battery or phone dry and away from water or any liquid, as it may cause a short circuit.
- Keep metal objects away so they don’t come in contact with the battery or its connectors. This may lead to short circuit during operation.
- Do not use a battery that appears damaged, deformed, or discoloured, one that has any rust on its casing, overheats, or emits a foul odour.
- Always keep the battery out of the reach of babies and small children, to avoid risk of swallowing. Consult the doctor immediately if the battery is swallowed.
- If the battery leaks:

- Do not allow the leaking fluid to come in contact with skin or clothing. If already in contact, flush the affected area immediately with water and seek medical advice.
- Do not allow the leaking fluid to come in contact with eyes. If already in contact, **do not** rub; rinse with water immediately and seek medical advice.
- Take extra precautions to keep a leaking battery away from fire as there is a danger of ignition or explosion.

## Safety Precautions in Direct Sunlight

Keep this product away from excessive moisture and extreme temperatures. Do not leave the product or its battery inside a vehicle or in places where the temperature may exceed 60°C (140°F), such as on a car dashboard, window sill, or behind a glass that is exposed to direct sunlight or strong ultraviolet light for extended periods of time. This may damage the product, overheat the battery, or pose a risk to the vehicle.

## Prevention of Hearing Loss

**Caution: Permanent hearing loss may occur if earphones or headphones are used at high volume for prolonged periods of time.**

**Note:** For France, mobile headphones or earphones (listed below) for this phone have been tested to comply with the Sound Pressure Level requirement laid down in the applicable NF EN 50332-1:2000 and/or NF EN 50332-2:2003 standards as required by French Article L. 5232-1

- Earphone, manufactured by Cotron, Model HS S200.

## Aircraft Safety

Due to the possible interference with an aircraft's navigation system and its communications network, using this product's phone function on board an aeroplane is against the law in most countries. If you want to use this product when on board an aircraft, remember to turn off the phone by switching to Airplane Mode.

## Environment Restrictions

Do not use this product in gas stations, fuel depots, chemical plants or where blasting operations are in progress, or in potentially explosive atmospheres such as fuelling areas, fuel storehouses, below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Please be aware that sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

## Explosive Atmospheres

When in any area with a potentially explosive atmosphere or where flammable materials exist, the product should be turned off and the user should obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised not to use the equipment at refuelling points such as service or gas stations, and are reminded of the need to observe restrictions on the use of radio equipment in fuel depots, chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. These include fuelling areas, below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

## Road Safety

Remember, it's illegal to use your phone while you're driving, unless you have a suitable handsfree kit.

## Safety Precautions for Radio Frequency Exposure

- Avoid using your phone near metal structures (for example, the steel frame of a building).
- Avoid using your phone near strong electromagnetic sources, such as microwave ovens, sound speakers, TV and radio.
- Use only original manufacturer-approved accessories, or accessories that do not contain any metal.
- Use of non-original manufacturer-approved accessories may violate your local Radio Frequency exposure guidelines and should be avoided.

## Interference with Medical Equipment Functions

This phone may cause medical equipment to malfunction. The use of this phone is forbidden in most hospitals and medical clinics.

If you use any other personal medical device, consult the manufacturer of your phone to determine if it is adequately shielded from external Radio Frequency energy. Your doctor may be able to assist you in obtaining this information.

Turn your phone **off** in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external Radio Frequency energy.

## Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult T-Mobile, or call the customer service line to discuss alternatives.

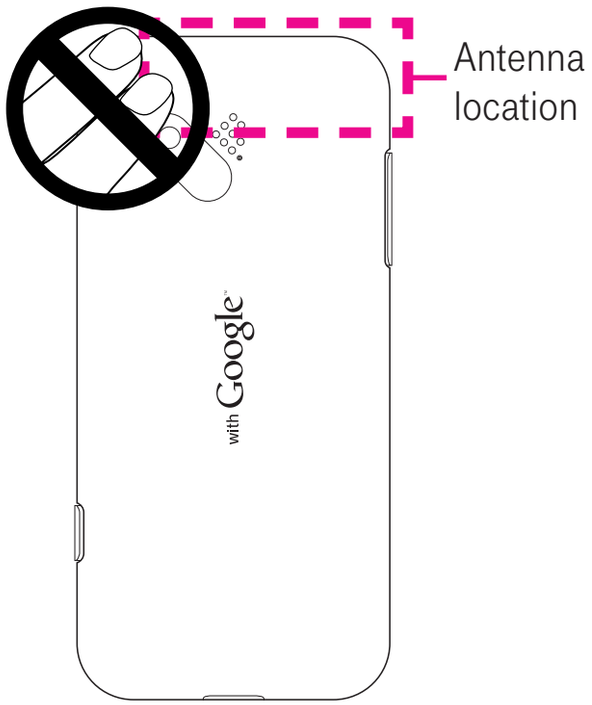
## Nonionising Radiation

This phone has an internal antenna. This phone should be operated in its normal-use position to ensure the radiative performance and safety of the interference. As with other mobile radio transmitting equipment, users are advised that for

satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

Use only the supplied integral antenna. Use of unauthorised or modified antennas may impair call quality and damage your phone, causing loss of performance and SAR levels exceeding the recommended limits as well as result in non-compliance with local regulatory requirements in your country.

To get the best from your phone and ensure human exposure to Radio Frequency energy is within the guidelines set forth in the relevant standards, always use your phone only in its normal-use position. Contact with the antenna area may impair call quality and cause your phone to operate at a higher power level than needed. Avoiding contact with the antenna area when your phone is **in use** optimises the antenna performance and the battery life.



# General Precautions

- **Avoid applying excessive pressure to your phone**
  Do not apply excessive pressure on the screen and the device to prevent damaging them and remove the device from your pocket before sitting down. It is also recommended that you store the device in a protective case and only use the device stylus or your finger when interacting with the touch screen. Cracked display screens due to improper handling are not covered by the warranty.
- **Phone getting warm after prolonged use**
  When using your phone for prolonged periods of time, such as when you're talking on your phone, charging the battery or browsing the web, your phone may become warm. In most cases, this condition is normal and therefore should not be interpreted as a problem with your phone.
- **Read what's on your phone**
  Except as explained elsewhere in the Operating or Service documentation, do not service any product yourself. Service needed on components inside your phone should be done by an authorised service technician or provider.
- **Damage requiring service**
  Unplug the product from the electrical outlet and refer servicing to an authorised service technician or provider under the following conditions:
  - Liquid has been spilled or an object has fallen into the product.
  - The product has been exposed to rain or water.
  - The product has been dropped or damaged.
  - There are noticeable signs of overheating.
  - The product does not operate normally when you follow the operating instructions.
- **Avoid hot areas**
  The product should be placed away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

- **Avoid wet areas**
  Never use the product in a wet location.
- **Avoid using your phone after a dramatic change in temperature**
  When you move your phone between environments with very different temperature and/or humidity ranges, condensation may form on or within your phone. To avoid damaging your phone, allow sufficient time for the moisture to evaporate before using your phone.
  **Notice**: When taking your phone from low-temperature conditions into a warmer environment or from high-temperature conditions into a cooler environment, allow your phone to acclimate to room temperature before turning on power.
- **Avoid pushing objects into product**
  Never push objects of any kind into cabinet slots or other openings in the product. Slots and openings are provided for ventilation. These openings must not be blocked or covered.
- **Mounting accessories**
  Do not use the product on an unstable table, cart, stand, tripod, or bracket. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- **Avoid unstable mounting**
  Do not place the product with an unstable base.
- **Use product with approved equipment**
  This product should be used only with personal computers and options identified as suitable for use with your equipment.
- **Adjust the volume**
  Turn down the volume before using headphones or other audio devices.
- **Cleaning**
  Unplug the product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning, but **never** use water to clean the LCD screen.

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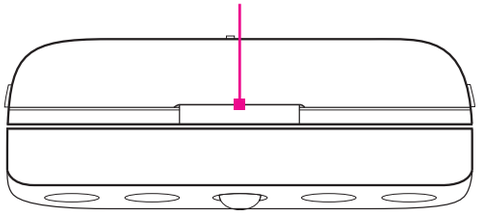
# Chapter 1 Getting Started

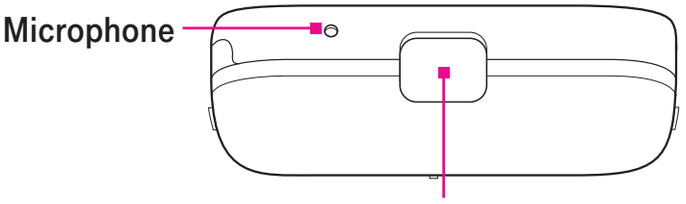
## 1.1 Getting to Know Your T-Mobile G1 and Accessories

### Top panel

**Back Cover Release Tab**
See “To remove the back cover” later in this chapter.



### Bottom panel

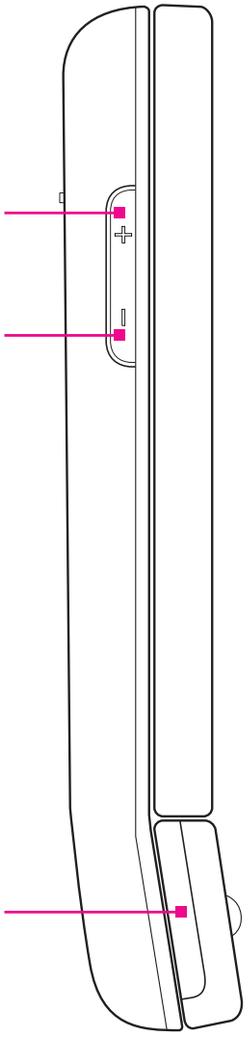



**PC Connector/Earphone Jack**
Flip open the cover to connect the supplied USB cable and transfer files or to plug in the AC adapter and recharge the battery. You can also connect the supplied USB stereo headset for hands-free conversation or for listening to music and videos.

## Left panel

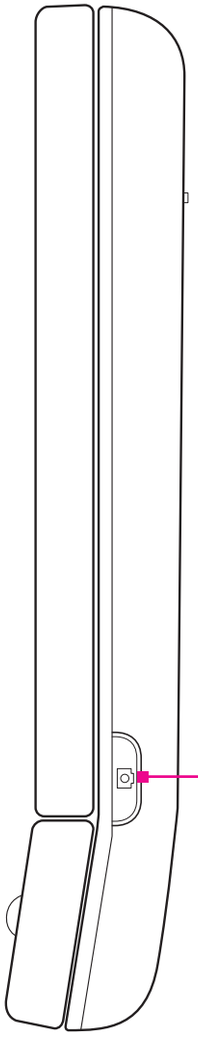
**VOLUME UP**
Press to increase the ringer or media volume.

**VOLUME DOWN**
Press to lower the ringer or media volume.



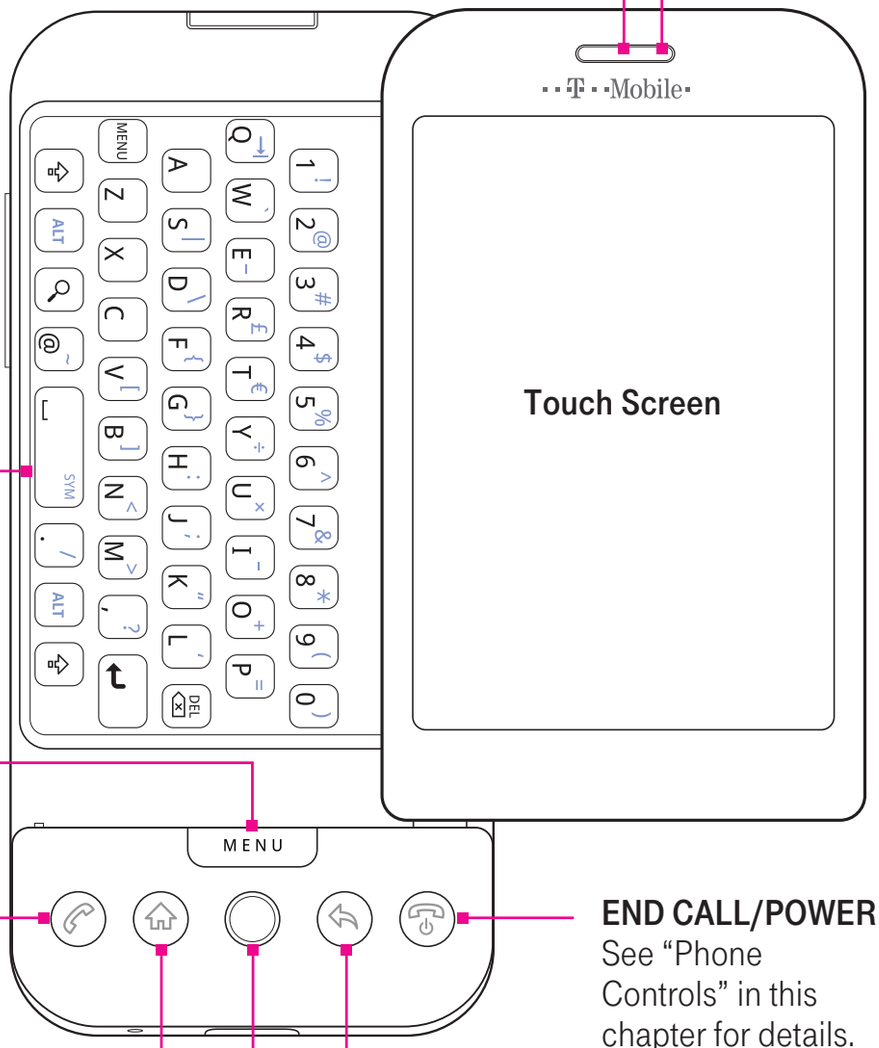
**Memory Card Slot**
Open the slot cover to install a memory card. See “Memory card” in this chapter for details.

## Right panel



**CAPTURE**
Press to open Camera. When in the Camera application, press half-way to activate auto-focus. Press fully to take the shot. See Chapter 9 for details.

# Front panel




**Notification LED**
See “Status Icons and Notifications” in this chapter for details.

**Earpiece**
Listen to a phone call from here.

**Keyboard**
See Chapter 3 for details.

**MENU**
See “Phone Controls” in this chapter for details.

**CALL**
See “Phone Controls” in this chapter for details.

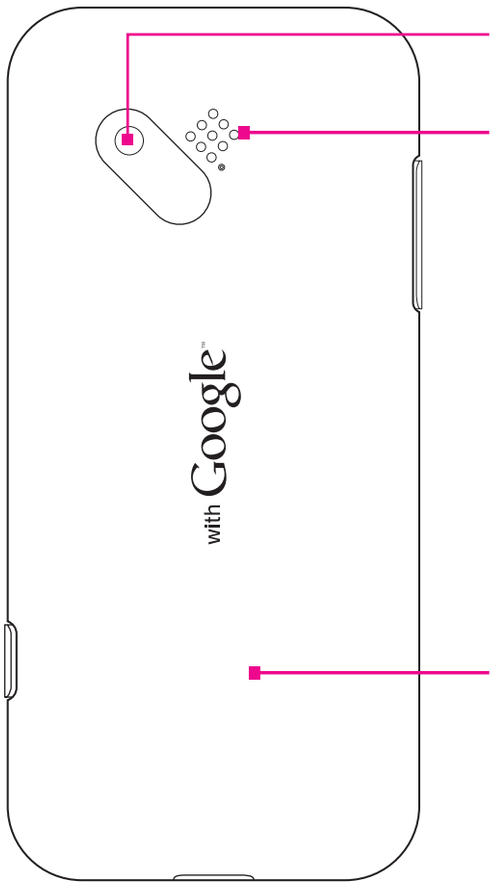
**HOME**
See “Phone Controls” in this chapter for details.

**END CALL/POWER**
See “Phone Controls” in this chapter for details.

**TRACKBALL**
See “Phone Controls” in this chapter for details.

**BACK**
See “Phone Controls” in this chapter for details.

## Back panel




**3.2 Megapixel Camera**
See “Taking Pictures” in Chapter 9 for details.

**Speaker**

**Back Cover**
See “To remove the back cover” in this chapter.

## Inside the box

The product package includes the following items and accessories:

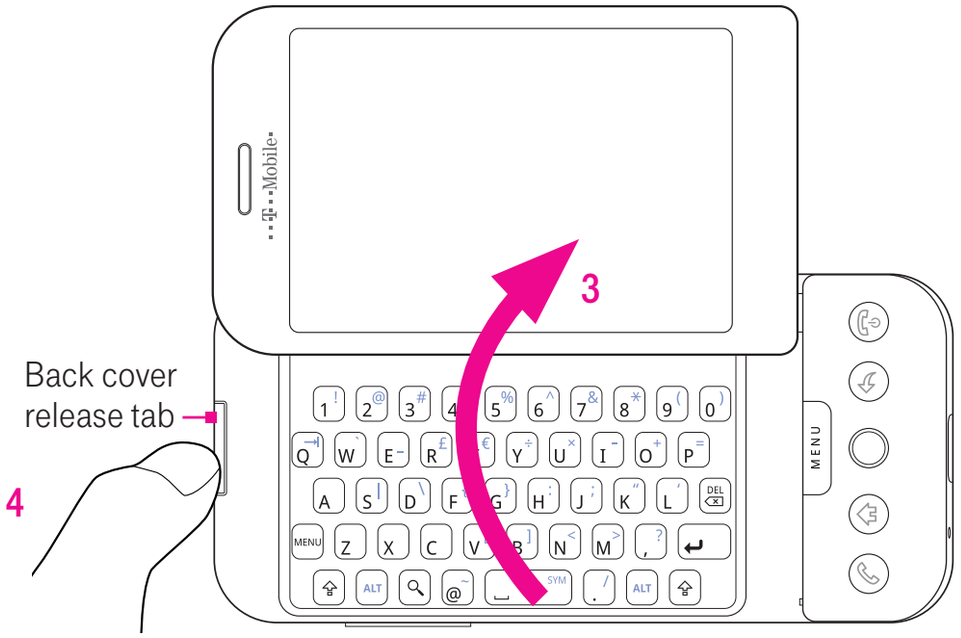
- T-Mobile G1
- USB cable
- AC adapter
- Wired stereo headset
- Pouch
- Battery
- 2GB memory card
- User Manual disc
- Screen protector
- Getting Started Guide
- Safety and Regulatory Information

# 1.2 Installing the SIM Card, Battery, and Memory Card

Always turn off your phone before installing or replacing the SIM card, battery, and memory card. You also need to remove the back cover before you can install the SIM card and battery.

**To remove the back cover**

1. Make sure the phone is turned off.
2. Hold the phone sideways with the control buttons on the right.
3. Slide the screen panel up to reveal the keyboard and the back cover release tab.
4. Gently push down the release tab with your finger until the back cover disengages from the phone.




5. Pull the back cover out then set it aside.

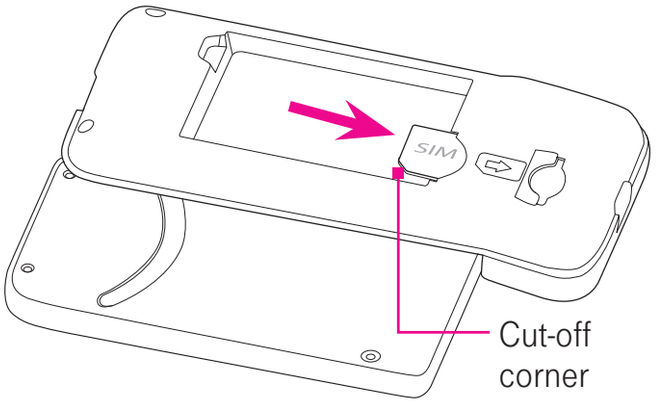
## SIM card

The SIM card contains your phone number, service details, and phonebook/ message memory. Your T-Mobile G1 supports both 1.8V and 3V SIM cards.

**Note** Some legacy SIM cards may not function with your T-Mobile G1. You should consult with T-Mobile for a replacement SIM card. There may be fees for this service.

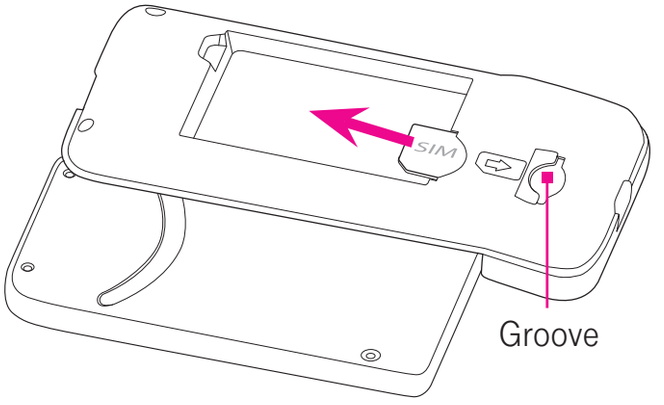
### To install the SIM card

1. Make sure the phone is turned off.
2. Locate the SIM card slot, then insert the SIM card with its gold contacts facing down and its cut-off corner facing out the card slot.
3. Slide the SIM card completely into the slot.




### To remove the SIM card

1. Remove the back cover and the battery if these are installed.
2. Locate the groove below the SIM card slot, then push the SIM card out with your finger.



## Battery

Your T-Mobile G1 comes with a rechargeable Lithium-ion battery and is designed to use only manufacturer-specified original batteries and accessories. Battery performance depends on many factors, including network configuration, signal strength, the temperature of the environment in which you operate your T-Mobile G1, the features and/or settings you select and use, items attached to connecting ports, and your voice, data, and other program usage patterns.

Battery life estimates (approximations based on the phone manufacturer's lab tests):

- Talk time: Up to **350** minutes for WCDMA
  Up to **406** minutes for GSM
- Standby time: Up to **402** hours for WCDMA
  Up to **319** hours for GSM

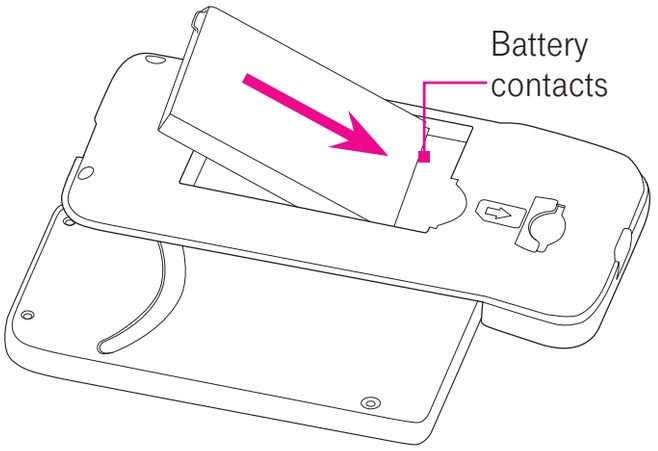
**Note** Battery life is subject to network and phone usage.

**To reduce risk of fire or burns:**

- **Do not attempt to open, disassemble, or service the battery pack.**
- **Do not crush, puncture, short external contacts, or dispose of in fire or water.**
- **Do not expose to temperatures above 60°C (140°F).**
- **Replace only with the battery pack designated for this product.**
- **Recycle or dispose of used battery as stipulated by local regulations.**

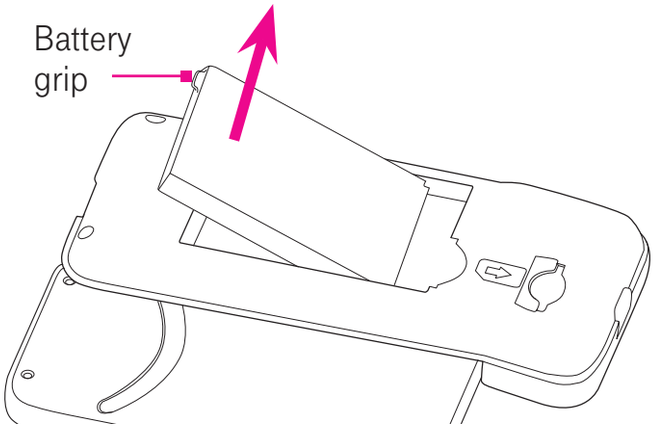
### To install the battery

1. Align the battery's exposed copper contacts with the battery connectors inside the battery compartment.
2. Insert the contact side of the battery first then gently push the battery into place.
3. Replace the back cover.




### To remove the battery

1. Make sure the phone is turned off.
2. Remove the back cover.
3. The top right side of the battery has a protruding grip. Lift the battery from the grip to remove it.



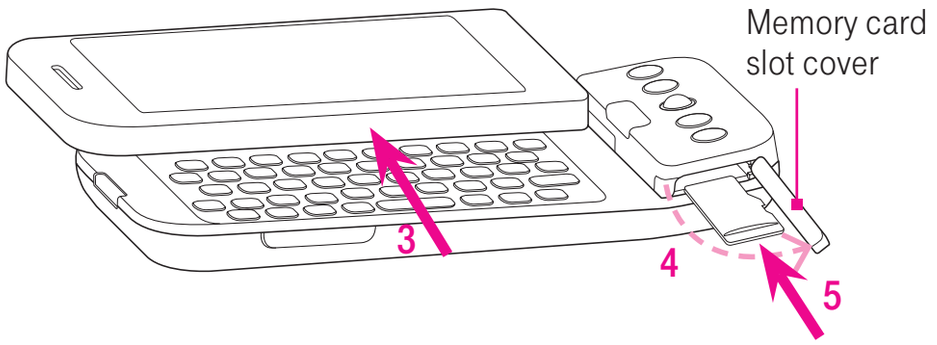

## Memory card

To store your pictures, music, and applications, install the supplied microSD™ card into your device.

**Note** You need to install the microSD card before you can use the Camera application. To copy pictures and music into the memory card, refer to "Using Pictures" and "Using Music" in Chapter 9.

### To install the memory card

1. Make sure the phone is turned off.
2. Hold the phone sideways with the control buttons on the right.
3. Slide up the keyboard, then locate the memory card slot at the side of the control buttons.
4. Pry open the memory card slot cover.
5. Insert the microSD card into the slot with its golden contacts facing down.




6. Replace the memory card slot cover.

**Note** When replacing the slot cover, make sure that both ends of the cover are properly seated on the slot. The phone will not recognise the memory card when the slot cover is not properly replaced.

### To remove the memory card

1. Make sure that the phone is turned off.
2. Slide up the keyboard, then open the memory card slot cover.
3. Press the microSD card to eject it from the slot, then replace the memory card slot cover.

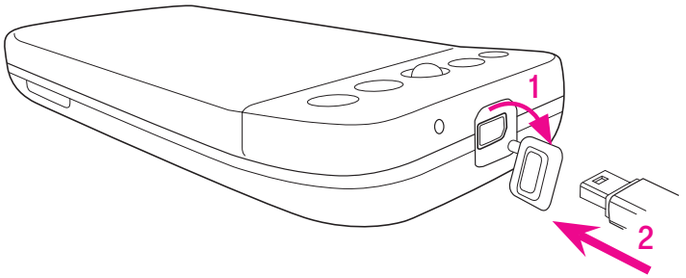
**Note** If you want to remove the memory card while the device is on, see “To remove the memory card while the phone is on” later in this chapter.

# 1.3 Charging the Battery

New batteries are shipped partially charged. Before you start using your T-Mobile G1, it is recommended that you install and charge the battery. Some batteries perform best after several full charge/discharge cycles.

**To charge the battery**

1. Flip open the PC connector cover at the bottom panel of your phone.
2. Insert the USB connector of the AC adapter to the PC connector.




3. Plug in the AC adapter to an electrical outlet to start charging the battery.

**Note** Only the AC adapter and USB cable provided with your T-Mobile G1 must be used to charge the battery.

Charging is indicated by a solid amber light in the Notification LED. As the battery is being charged while the phone is on, the charging battery icon ( ) is displayed in the Status bar of the Home screen. After the battery has been fully charged, the Notification LED shows a solid green light and a full battery icon ( ) displays in the Status bar of the Home screen.

For more information about the Notification LED, see “Status Icons and Notifications” in this chapter.

- **Do not remove the battery from the T-Mobile G1 while you are charging it using the AC or car adapter.**
- **As a safety precaution, the battery stops charging when it overheats.**

# 1.4 Phone Controls

## Control buttons

Press the control buttons on your phone to do the following functions:

| Button | Functions |
|---|---|
| **HOME (** **)** | ▪ While on any application, press this button to return to the Home screen.<br>▪ Press and hold to bring up the recent applications window. |
| **MENU** | Press to open a list of actions that you can do on the current screen or dialogue box. |
| **BACK (** **)** | ▪ Press to go back to the previous screen, or to close a dialogue box or menu.<br>▪ Press and hold to go back to the main screen of the current application. |
| **CALL (** **)** | ▪ Press this button to open the **Call log** tab that displays all recent calls.<br>▪ When a contact, contact number, or phone number is highlighted on the screen, press this button to call the contact or phone number.<br>▪ While on a call, press this button to add another call.<br>▪ If you navigated to another application during a call, press this button to display the ongoing call on the screen. |
| **END CALL/ POWER (** **)** | ▪ While on a call, press this button to hang up.<br>▪ While not on a call, press and hold to open the phone options menu that allows you to lock the screen, turn off, or put your phone in silent mode. |
| **CAPTURE** | Press this button to open Camera. See Chapter 9 for details. |

# 1.5 Navigating Your Phone

There are different ways of getting around your Home screen, menus and application screens on your phone.

## Finger-touch control

A quick and easy way to interact with the Home screen and the whole interface of your T-Mobile G1 is by touch. Basically, the following are the types of actions, called finger gestures, you would do when interacting with your T-Mobile G1:

### Touch or tap

When selecting items on the screen, such as in the **Applications** tab, application and settings icons, and large on-screen buttons, simply touch them with your finger. Apply some pressure with your finger pad when touching an item on the screen.

Tapping means to touch lightly and quickly with your finger pad or fingertip. On screens that display smaller-size items, you can more accurately select an item by tapping it with your fingertip.

### Swipe

To swipe means to drag your finger vertically or horizontally across the screen. The following are some instances when you would use swiping:

- **Opening the Extended Home screens**

  Swipe your finger horizontally to open the Extended Home screens. For more information, see “Home Screen” in this chapter.

- **Scrolling**

  To scroll up or down in a list or page on the screen, slide your finger up or down on the screen. With repeated short, quick brushing gestures, you can accelerate the scroll. Tap your finger to stop the scrolling.

### Slide

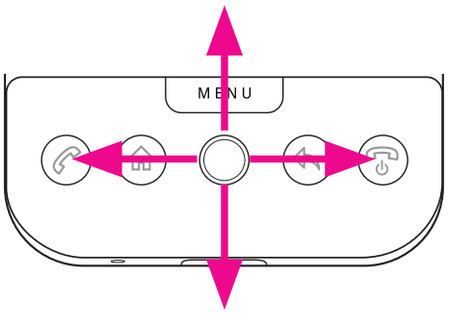
Sliding on the touch screen also involves dragging with your finger, but you need to press and hold your finger with some pressure before you start to drag. While dragging, do not release your finger until you have reached the target position.

### Flick

Flicking the screen is similar to swiping, except that you need to swipe your finger in light, quicker strokes. This finger gesture is always in a vertical direction, such as when flicking the contacts or message list.

## Using the TRACKBALL

You can use the TRACKBALL to select or highlight items on the screen.




- Roll the TRACKBALL up, down, left, or right to navigate selectable items on the screen. Press the TRACKBALL to select a highlighted item or action.
- Press and hold the TRACKBALL to bring up the selected item's options menu, if applicable.
- On a web page, press the TRACKBALL twice to activate **scale and scroll**. For more information on scale and scroll, see "Browser" in Chapter 7.
- To highlight, copy, cut or paste text on the screen, use the TRACKBALL in combination with keyboard keys. See "Using the Keyboard" in Chapter 3 for details.

# 1.6 Getting Started

Once you've installed your SIM card and battery, you can turn on your phone and start using your T-Mobile G1.

## Turning your T-Mobile G1 on and off

### To turn on the power

Press the END CALL/POWER button.

**Note** After you turn on the T-Mobile for the first time, you may be prompted to set up a Google account. For more information on how to set up your phone for the first time, see "Setting up your T-Mobile G1 for the first time" in this chapter.

### To turn off the power

1. Press and hold the END CALL/POWER button for a few seconds.
2. When the **Phone options** menu appears, tap **Power off**.
3. Tap **OK** when prompted to turn off the phone completely.

## Enter your PIN

If your SIM card is preset with a PIN (personal identification number), you will be prompted to enter the PIN to proceed. Enter the SIM PIN, then tap **OK**.

To know how to enable or disable the SIM PIN, see "Protecting Your T-Mobile G1" in Chapter 10.

**Note** If you entered the wrong PIN three times, the SIM card will be blocked. If this happens, you can unblock it with the PUK (PIN Unblocking Key) obtained from T-Mobile.

## Setting up your T-Mobile G1 for the first time

After you turned on the phone for the first time, you will be prompted to set up a Google Mail account. Touch the T-Mobile G1 screen to begin.

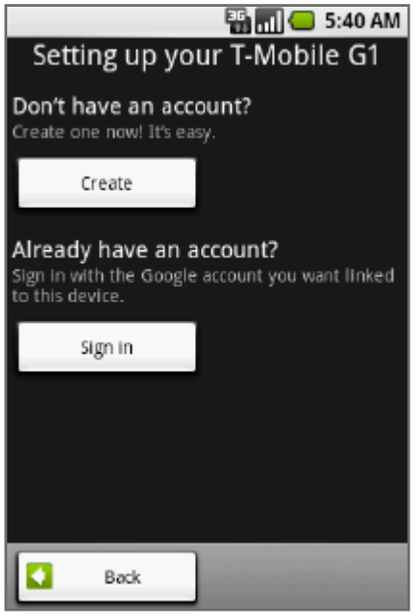
**Note** Make sure that your phone has an active data connection (3G/GPRS) before you create a Google Mail account. See “Status Icons and Notifications” in this chapter to know if your phone has an active data connection.

### To create a Google Mail account

1. Read the set up information on the screen, then tap **Next**.
2. Tap **Create**.

   **Tip** If you already have a Google Mail account, tap **Sign in**, then open the keyboard. Enter your user name and password, then tap **Sign in**. If you signed in with an existing Google Mail account, your emails, contacts, and calendar events will automatically synchronise with your phone.

3. Open the keyboard then enter your name, and Google Mail account user name, then tap **Next**.


5:40 AM
Setting up your T-Mobile G1
Don't have an account?
Create one now! It's easy.
Create
Already have an account?
Sign in with the Google account you want linked to this device.
Sign in
Back

The phone connects to the Google server to check if the user name you entered is available. If the user name your entered is already in use, you will be prompted to enter another user name or select from a list of available user names.

4. Enter and confirm your Google Mail account password.

   **Tip** Refer to the indicator at the left side of the password field to check if your password is too short (less than 8 characters), weak, fair, good, or strong.

5. Select a security question from the drop down menu, then enter the answer to the security question you have selected.
6. Tap **Create**.
7. When the Google Terms of Service screen appears, tap **I agree, Next**.
8. Enter the characters that appear on the screen, then tap **Next**.
9. When your Google Mail is succesfully created, close the keyboard, then tap **Finish setup**. The Home screen displays.

## Turn off the display when not in use

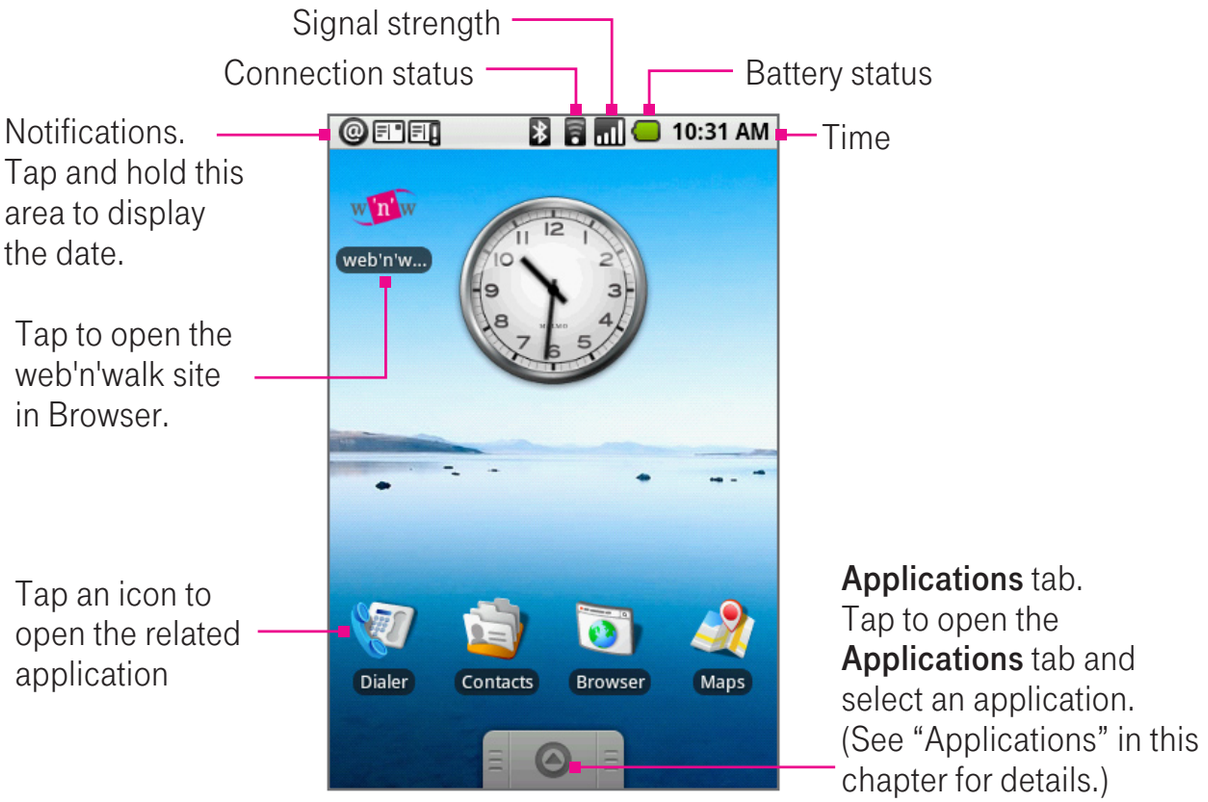
Press the END CALL/POWER button briefly to turn off the display temporarily. Turning off the display suspends your T-Mobile G1 to a low power state in order to save battery power.

The T-Mobile G1 automatically turns off the display when you leave it idle after a certain period of time. You will still be able to receive messages and calls while your T-Mobile G1 display is off. Pressing any of the control buttons again or incoming calls/messages will turn on your T-Mobile G1 display.

**Notes**
- If you have set up a screen unlock pattern, you will be prompted to draw the pattern on the screen before the display unlocks.
- For information on how to adjust the time before the screen turns off, see “Display settings” in Chapter 10.

# 1.7 Home Screen

The Home screen, which is actually three screens in one, is your starting point for using the applications on your phone. You can customise the Home screens to display application icons, shortcuts, and widgets that suit you.

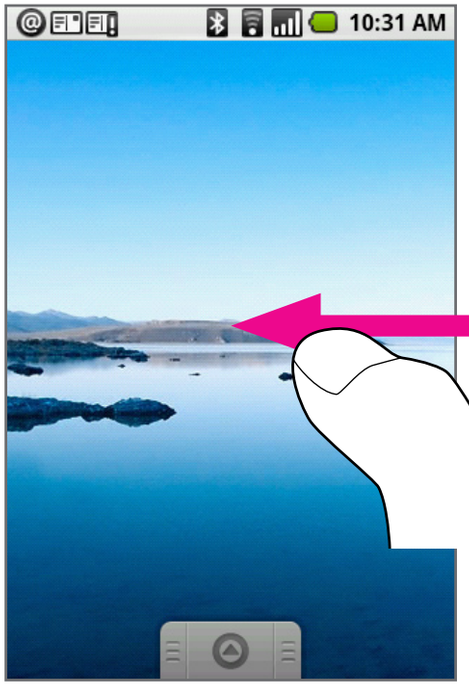

Signal strength
Connection status
Battery status
Notifications. Tap and hold this area to display the date.
10:31 AM
Time
web'n'w...
Tap to open the web'n'walk site in Browser.
Tap an icon to open the related application
Dialer
Contacts
Browser
Maps
**Applications** tab. Tap to open the **Applications** tab and select an application. (See “Applications” in this chapter for details.)

Main Home screen

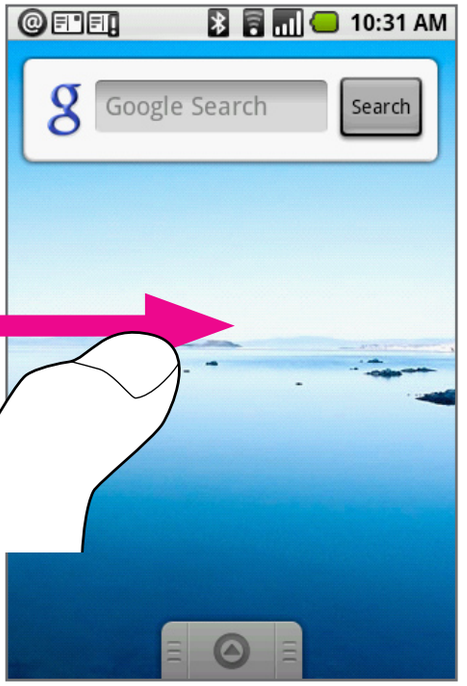
**Tip** While in any application, press the HOME button to return to the main Home screen.

## Extended Home screens

In addition to the Home screen, slide your finger left or right on the Home screen to display the extended Home screens. You can also place application icons, shortcuts, and widgets on the extended Home screens.




Extended Home screen: Left




Extended Home screen: Right

## Customising the Home screens

### To add an icon, shortcut, or widget

1. Press HOME to return to the Home screen.
2. Tap and hold the screen to open the **Add to Home** menu, then tap:
   - **Application**, to display a list of applications installed on your phone. Tap an application to add its icon to the Home screen.
   - **Shortcut**, to add a shortcut to some of your saved information such as a playlist, a web page bookmark, or a folder. For more information on how to create folders, see “Create and manage folders” in this section.

- **Widget**, to add a clock, a picture frame, or the Google search bar.
- **Wallpaper**, to select a new Home screen wallpaper.

The application icon, shortcut, or widget appears on the screen.

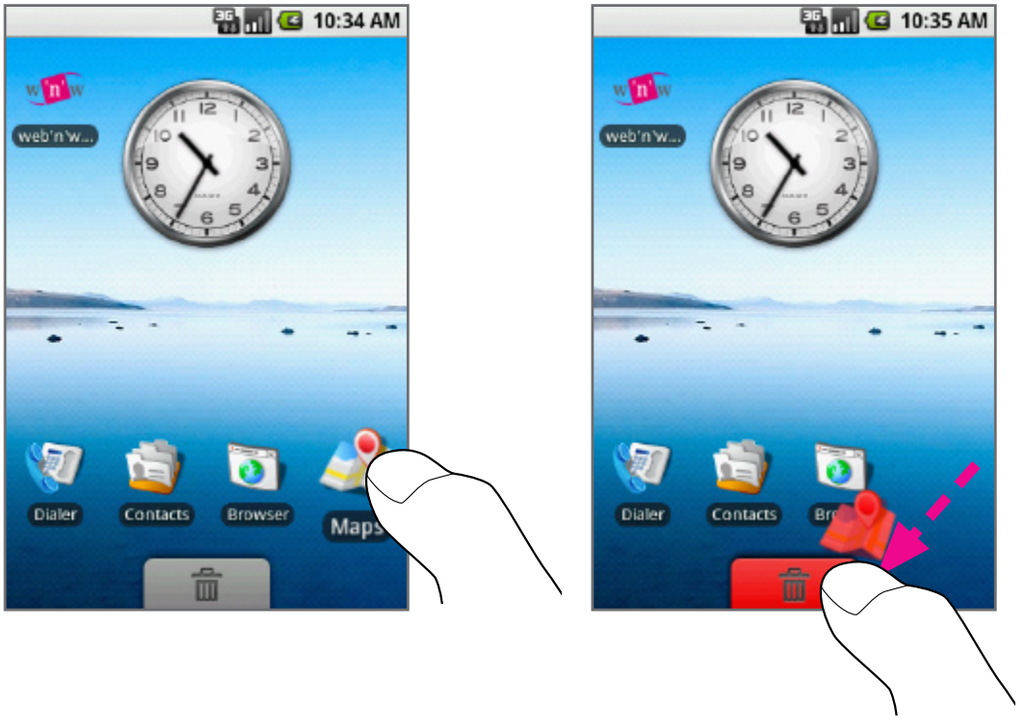
**Tip** To quickly add an application shortcut to the Home screens, tap the **Applications** tab, tap and hold an application icon, then release.

### To remove an icon, shortcut, or widget

1. Press and hold the item on the screen to activate **move mode**.

   **Note** When **move mode** is activated, the item magnifies and the phone vibrates. The **Application** tab also turns into a **Trash** tab ( ).

2. Without lifting your finger on the item, drag it into the **Trash** tab, then release. The item and the **Trash** tab turns red to indicate that the item is ready to be removed.



### To move an icon, shortcut, or widget

1. Press and hold the item on the screen to activate **move mode**.
2. Without lifting your finger, drag the item to your desired position on the screen.

**Note** You can only move an item within the current screen.

### To change the Home screen wallpaper

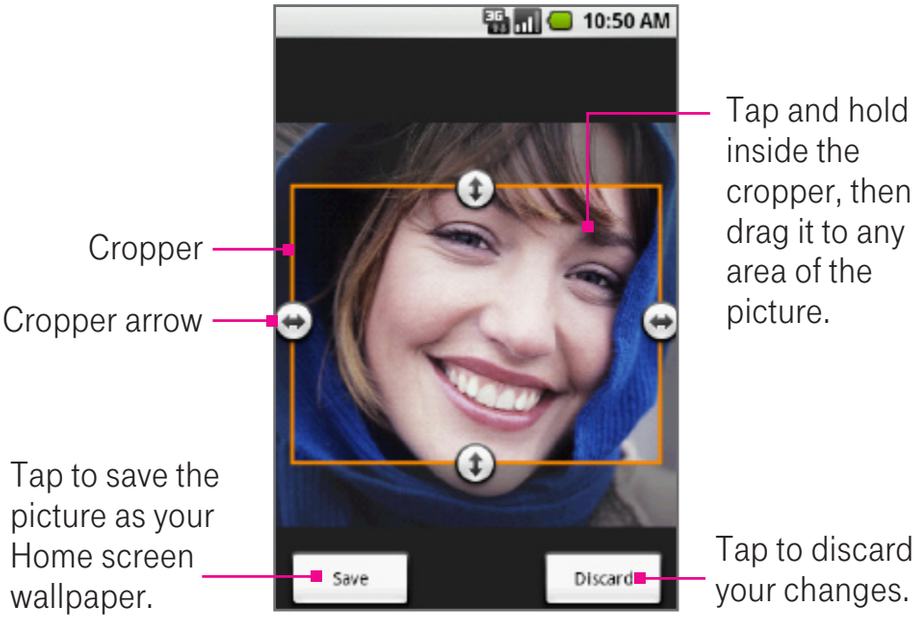
You can change the wallpaper of your phone with pictures that you have purchased, pictures stored on your microSD card, or from the Wallpaper gallery that comes pre-installed on your phone.

1. Do any of the following on any Home screen:
   - Press MENU and select **Wallpaper**.
   - Press and hold the screen to open the **Add to Home** menu, then tap **Wallpaper**.
2. Select from **Pictures** or **Wallpaper gallery**.

**Notes**
- If you selected **Wallpaper gallery**, select the picture you want to use as wallpaper, then tap **Set wallpaper**. If you selected **Pictures**, the Pictures application opens. Follow the succeeding instructions.
- If this is the first time that you have viewed pictures on your memory card, it may take a while for the pictures to load.

3. Flick your finger on the screen or roll the TRACKBALL up or down to find the picture that you want to use, then tap it to select.
4. The cropper appears. Do any of the following:
   - To adjust the cropper size, touch and hold the cropper edge. When the cropper arrows appear, drag your finger inward or outward the centre of the cropper to resize it.

- To move the cropper to another area in the picture, tap and hold inside the cropper, then drag it with your finger to the desired position.


10:50 AM
Tap and hold inside the cropper, then drag it to any area of the picture.
Cropper
Cropper arrow
Tap to save the picture as your Home screen wallpaper.
Save
Discard
Tap to discard your changes.

5. Tap **Save** to apply the new wallpaper.

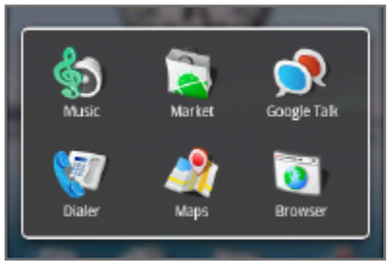
### To change the screen orientation

Slide open the keyboard to change the screen orientation into landscape mode.

**Note** When using **Pictures** or **Browser**, you can fix the screen orientation regardless of whether the keyboard is open. See Chapter 7 and Chapter 9 for details.

### To open a recently-used application

1. Press and hold the HOME button to open the recently-used applications window.
   The window displays the last six applications you have used after you turned on the phone.
2. Tap an icon in the window to open the related application.




## Create and manage folders

You can create folders on the Home screen to hold application icons or shortcuts.

### To create a folder and add items to it

1. Do any of the following on any Home screen:
   - Press MENU, then tap **Add > Shortcut > Folder**.
   - Tap and hold the screen to open the **Add to Home** menu, then select **Shortcuts > Folder**.

   A new folder appears on the screen.
2. To add an item to the folder, tap and hold an application or shortcut icon to activate move mode, then drag it on top of the folder.
3. Tap the folder to open it. When the folder is opened, tap the folder's title bar to close it.

**Note** Delete a folder as you would delete a shortcut or a widget. See "To remove an icon, shortcut, or widget" earlier in this chapter.

### To rename a folder

1. Open the keyboard.
2. Tap the folder to open it, then tap and hold the folder's title bar to open the **Rename folder** dialogue box.
3. Enter the new folder name, then tap **OK**.

# 1.8 Status Icons and Notifications

On top of your phone screen is the Status bar. The left side of the Status bar displays icons that will notify you of a new message, an upcoming calendar event, a missed call, and more. The right side of the Status bar displays the connection status, alarm set, volume status, time, and more.

**Tip** When the Status bar is full, tap to display hidden icons/notifications.

The following are some of the status icons that you may see on your T-Mobile G1.

Icons that appear in this area

| | | | |
|---|---|---|---|
| | New e-mail message | | More (undisplayed) notifications |
| | New SMS/MMS | | Call in progress |
| | Problem with SMS/MMS delivery | | Missed call |
| | New instant message | | Call on hold |
| | New voicemail | | Call forwarding on |
| | Upcoming event | | Speakerphone on |
| | Song is playing | | Compass needs orientation |
| | Data is syncing | | Uploading data |
| | Problem with sign-in/sync | | Downloading data |
| | Memory card is full | | Content downloaded |

Icons that appear in this area

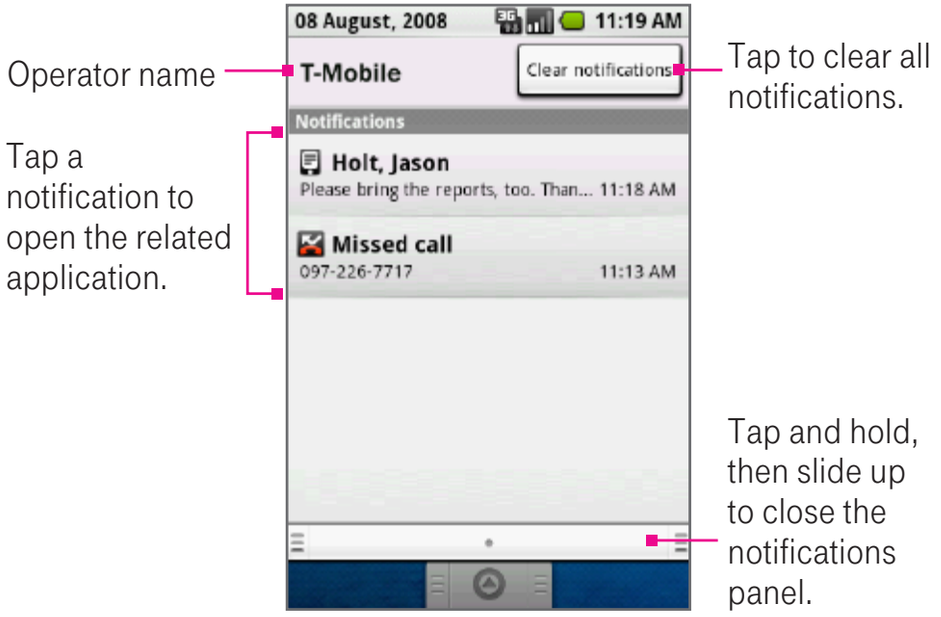
| | | | |
|---|---|---|---|
| | GPRS connected | | Roaming |
| | GPRS in use | | No signal |
| | EDGE connected | | No SIM card |
| | EDGE in use | | Vibrate mode |
| | 3G connected | | Sound off |
| | 3G in use | | Phone is mute |
| | Connected to a Wi-Fi network | | Battery is very low |
| | Wi-Fi is on, but not connected to any wireless network | | Battery is low |
| | Bluetooth is on | | Battery is full |
| | Connected to another Bluetooth device | | Battery is charging |
| | Airplane mode | | GPS is on |
| | Alarm is set | | GPS is connected |
| | Signal strength | | |

## Read your notifications

Notifications report the arrival of new messages, calendar events, alarm set and ongoing activities such as when call forwarding is on or the current call status. You can also open the notifications panel to know the wireless network operator or open the message, reminder, or event notification.

### To open the notifications panel

When a new notification icon displays in the Status bar, tap and hold the notifications area of the Status bar, then slide your finger downward to open the notifications panel.




**Tip** You can also open the notifications panel on any Home screen by pressing MENU and tapping **Notifications**.

## Notification LED

The Notification LED located at the right corner of the earpiece provides information on the phone status or pending notifications.

| LED Status | Indication |
|---|---|
| **Solid green** | Battery is fully charged (while the phone is connected to the AC adapter). |
| **Solid red** | Battery is charging. |
| **Flashing red** | Battery is low. |
| **Flashing green** | You have a pending notification. |

**Note** The indicators are listed in order of priority. This means, for example, that if your phone is connected to a power adapter, the LED will be solid red and will not switch to a flashing green light even if there is a pending notification.

# 1.9 Applications

## Open the Applications tab

The **Applications** tab holds all installed applications on the T-Mobile G1.
To open the **Applications** tab, press HOME, then tap .

**Tip** To easily open applications, you can create shortcuts for frequently-used applications on the Home screens or into folders which you have created. For details, see “Customising the Home screens” earlier in this chapter.

The following applications are pre-installed on the T-Mobile G1.

| Icon | Description |
|---|---|
| | **Alarm Clock** Set as many alarms as you want. You can set alarms for appointments, events, and more. See “Alarm Clock” in Chapter 11. |
| | **Browser** Browse web and WAP sites as well as download new programs and files from the Internet. “Browser” in Chapter 7. |
| | **Calculator** Perform basic and advanced arithmetic and calculations, such as addition, subtraction, multiplication, and division. See “Calculator” in Chapter 11. |
| | **Calendar** Keep track of events and appointments. See Chapter 5 for details. |
| | **Camera** Take pictures using the T-Mobile G1 built-in camera. See Chapter 9 for details. |
| | **Contacts** Keep track of your friends and colleagues. See Chapter 5 for details. |
| | **Dialer** Make and receive calls, switch between calls, and set up conference calling. See Chapter 2 for details. |

| Icon | Description |
|---|---|
| | **Email** Set up and access other email accounts using the email setup. See Chapter 6 for details. |
| | **Google Mail** Set up, access, and synchronise your emails from your Google Mail account. See Chapter 6 for details. |
| | **Google Talk** Chat with family and friends using Google Talk or set up another instant messaging account on your phone. See Chapter 6 for details. |
| | **Maps** View your current location, search for places of interest and addresses, seek directions, and more. See Chapter 8 for details. |
| | **Market** Access the Android Market where you can download applications and games to your phone. See Chapter 11 for details. |
| | **Messaging** Send and receive text (SMS) and picture (MMS) messages on your phone. See Chapter 6 for details. |
| | **Music** Play back audio file s, create playlists, and more. See Chapter 9 for details. |
| | **Pictures** View, organise, and sort pictures that are stored on your memory card. See Chapter 9 for details. |
| | **Settings** Adjust the phone settings and configuration. See “Settings” in this chapter for details. |
| | **web'n'walk** Open the Browser and go directly to the T-Mobile Favourites web site. See Chapter 7 for details. |
| | **YouTube™** Search for uploaded videos in YouTube and watch them on your T-Mobile G1. See Chapter 9 for details. |

### To hide the Applications tab

Tap .

# 1.10 Settings

Control and customise phone settings on the Settings screen. To open the Settings screen, do any of the following:

- Press HOME > MENU, then tap **Settings**.
- On any Home screen, tap the **Applications** tab, then tap **Settings**.

## Settings on your phone

| | |
|---|---|
| **Wireless controls** | Configure your phone's wireless connections, such as Wi-Fi and Bluetooth, enable the Airplane mode, or set the options for roaming, networks, and more. See Chapter 7 for details. |
| **Call settings** | Set up call services such as voice mail, call forwarding, call waiting, and caller ID. See Chapter 2 for details. |
| **Sound & display** | Set the call and notification ring tones, or set the screen brightness and screen timeout. See Chapter 10 for details. |
| **Data synchronization** | Select which applications are synchronised. You can also set automatic synchronisation of Google Mail, Calendar, and Contacts. See Chapter 4 for details. |
| **Security & location** | Select the wireless network or the GPS in determining your current location. You can also set the screen unlock pattern and enable the SIM card lock. See Chapter 8 and Chapter 10 for details. |
| **Applications** | Manage applications and installation of new programs, or set keyboard shortcuts to launch applications. Chapter 3 for details |
| **SD card & phone storage** | Check the available memory card and internal phone memory or use the installed memory card as a USB drive. You can also reset the phone to its factory default settings. See Chapter 10 for details. |

| | |
|---|---|
| **Date & time** | Set the date, time, time zone, and date or time format. See Chapter 10 for details. |
| **Text** | Configure text settings for faster and more accurate text input. See Chapter 3 for details. |
| **About phone** | See the phone status such as the network type, signal strength, battery level, and network name. You can also open this menu to view the legal information and software version of your phone. |

## 1.11 Adjusting the Volume

Adjusting the ringer volume changes the volume level of the phone ring, whereas adjusting the media volume changes the volume level of sound notifications and music or video playback. The ringer volume and media volume can be adjusted seperately.

### To adjust the ringer volume

On any Home or application screens (except during a call or when playing music/video):

1. Press the VOLUME UP or VOLUME DOWN buttons on the left panel of the phone to adjust the ringer volume to your desired level. The **Ringer volume** window appears on the screen to display the volume levels.
2. While in the lowest ringer volume level, press VOLUME DOWN once to set your phone to Vibrate mode. The phone vibrates and the vibrate mode icon ( ) appears in the Status bar.
3. While in Vibrate mode, press VOLUME DOWN once to mute your phone. The phone mute icon ( ) displays in the Status bar.

**Tip** To silence your phone quickly, press and hold END CALL/POWER, then tap **Silent mode** on the options menu.

You can also adjust the ringer volume on the **Settings** screen.

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Sound & display > Ringer volume**.
3. When the **Ringer volume** window appears, move the slider to the left (to lower the volume) or to the right (to increase the volume).
4. Tap **OK** to close the window.

**Tip** You can also increase or lower the volume during a call. See Chapter 2 for details on how to adjust the in-call volume.

### To adjust the media volume

When playing music or watching video, press the VOLUME UP or VOLUME DOWN buttons on the left panel of the phone to adjust the media volume to your desired level. The **Music/video volume** window appears on the screen to display the volume level.

**Note** You can also adjust the media volume on the **Settings** screen. Press HOME > MENU, then tap **Settings > Sound & display > Media volume**. Adjust the slider to your desired volume level, then tap **OK**.

# 1.12 Using the Phone as a USB Drive

For easy transfer of music and pictures from your computer to your phone's memory card, you can set the memory card as a USB flash drive.

**To use the phone's memory card as a USB drive**

1. Press HOME > MENU, then tap **Settings**.
2. Scroll down the screen, then tap **SD card and phone storage**.
3. Select the **Use for USB storage** check box, then press BACK twice to return to the Home screen.
4. Connect the phone to your computer using the USB sync cable. Your computer recognises the memory card as a removable disk.
   You can now begin exchanging files between your computer and your phone's memory card.

**Note** The phone does not recognise the memory card when used as a USB flash drive. Remember to clear the **Use for USB storage** option when you are done exchanging files with your computer.

**To remove the memory card while the phone is on**

Do the following if you need to remove the memory card while the phone is on.

1. Press HOME > MENU, then tap **Settings**.
2. Scroll down the screen, then tap **SD card and phone storage**.
3. Tap the **Unmount/eject SD card** option
4. Remove the memory card following the instructions earlier in this chapter.

# Chapter 2 Using the Phone Features

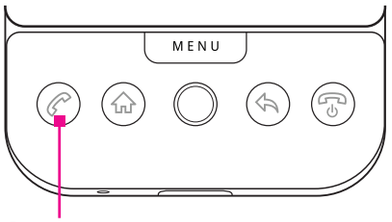
## 2.1 Using the Phone

You can use your T-Mobile G1 to make, receive, and keep track of calls and send messages.

### Open the Dialer

Do any of the following to open the Dialer:

- On the Home screen, tap **Dialer** (if available)
- On any Home screen, tap the **Applications** tab, then tap **Dialer**.
- While on any application screen, press the CALL ( ) button, then tap the **Dialer** tab.



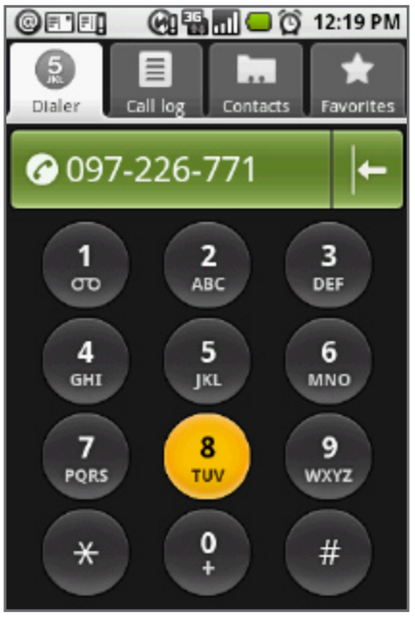
CALL button

## 2.2 Make a Call

You can use the **Dialer**, **Call log**, **Contacts**, and **Favorite** tabs to make a call.

### To make a call from the Dialer tab

1. Touch the keys on the dialer to enter the phone number.
   If you touched a wrong number key, touch ← to erase each subsequent digit of a number. To erase the entire number, tap and hold ← .
2. Press the CALL button to place the call.




**Tip** During a call, press the VOLUME UP/DOWN buttons on the left panel of the T-Mobile G1 to adjust the in-call volume.

### To make a call from Call log

1. While on any application screen, press the CALL button, then tap the **Call log** tab.
2. Tap a missed call, dialed number, or received call that you want to call back.

**Note** For more information, see “Call log” in this chapter.

### To make a call from the Contacts tab

1. While on any application screen, press the CALL button, then tap the **Contacts** tab.
2. Do one of the following:
   - Tap a contact to open the contact details screen and then below the Dial number section, tap a phone number that you want to call.
   - Tap and hold the contact you want to call and then from the options menu, tap **Call Mobile**, **Call Work**, or **Call Home** to make the call.

**Note** For more information on creating contacts, see “Contacts” in Chapter 5.

### To make a call from the Favorites tab

The **Favorites** tab lists all your favourite contacts. See “Contacts” in Chapter 5 for more information on creating favourite contacts.

1. While on any application screen, press the CALL button, then tap the **Favorites** tab. The list of your favourite contacts appear.
2. Do one of the following:
   - Tap a contact to open the contact details screen and then below the Dial number section, tap a phone number that you want to call.
   - Tap and hold the contact you want to call and then from the options menu, tap **Call Mobile**, **Call Work**, or **Call Home** to make the call.

### To make an emergency call

On the **Dialer** tab, enter the international emergency number for your locale, and press the CALL button on your T-Mobile G1.

**Tip** Additional emergency numbers may be included in your SIM card. Contact T-Mobile for details.

### To make an international call

1. Tap and hold the **number 0** key on the **Dialer** tab until the plus (+) sign appears. The plus (+) sign replaces the international prefix of the country that you are calling.
2. Enter the full phone number that you want to dial, and press the CALL button on your T-Mobile G1. The full phone number includes the country code, area code (without the leading zero, if any), and phone number.

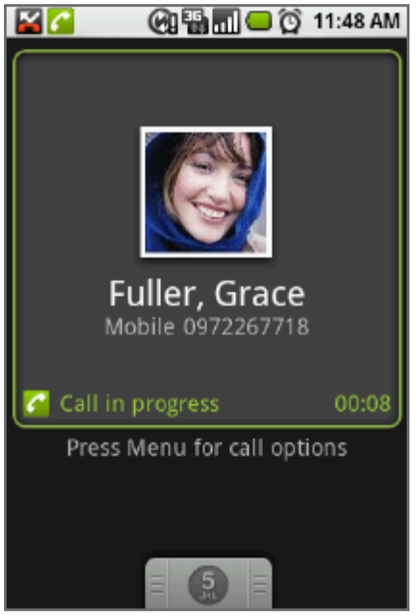
### To call voice mail

**Number 1** is generally reserved for your voice mail. Tap and hold this button on the **Dialer** tab to call voice mail and retrieve your voice mail messages.

**Note** If you have not set your voicemail, a **Missing voicemail number** error message appears on the screen when you tap and hold the number 1 key. To set up your voicemail number, see “Call settings” in this chapter.

## 2.3 Answer a Call

When you receive a phone call, the Caller ID icon, name, and phone number will appear on the screen if the caller is stored in your Contacts.




### To answer or reject an incoming call

- To answer the call, press the CALL ( ) button.
- To reject the call and send the call to your voice mail, press the END CALL/POWER ( ) button.

### To turn the Speakerphone on or off

During a call, press MENU, then tap **Speaker** to toggle between turning the speakerphone on or off. The speakerphone icon ( ) appears in the Status bar when the speakerphone is on.

**To avoid damage to your hearing, do not hold your T-Mobile G1 close to your ear when the Speakerphone is on.**

### To mute the microphone during a call

Press MENU, then tap **Mute** to toggle between turning the microphone on or off. When the microphone is turned off, the mute icon ( ) appears in the Status bar.

## 2.4 End a Call

When a call is in progress, you can do any of the following to hang up:

- Press the END CALL/POWER button.
- Press MENU, then tap **End call**.

# 2.5 Special Call Features

## Manage multiple calls

Your T-Mobile G1 notifies you when you have another incoming call, and gives you the option of rejecting or accepting the call. If you are already on a call and accept the new call, you can choose to swap between the two callers.

- Press the CALL ( ) button to take the second call, and put the first call on hold. You can also press MENU, then tap **Hold call in progress & answer**.
- To end the second call and return to the first call, press the END CALL/POWER ( ) button on your T-Mobile G1.
- To end the first call and take the incoming call, press MENU, then tap **End call in progress & answer**.
- To swap between two calls, press MENU, then tap **Swap calls**.

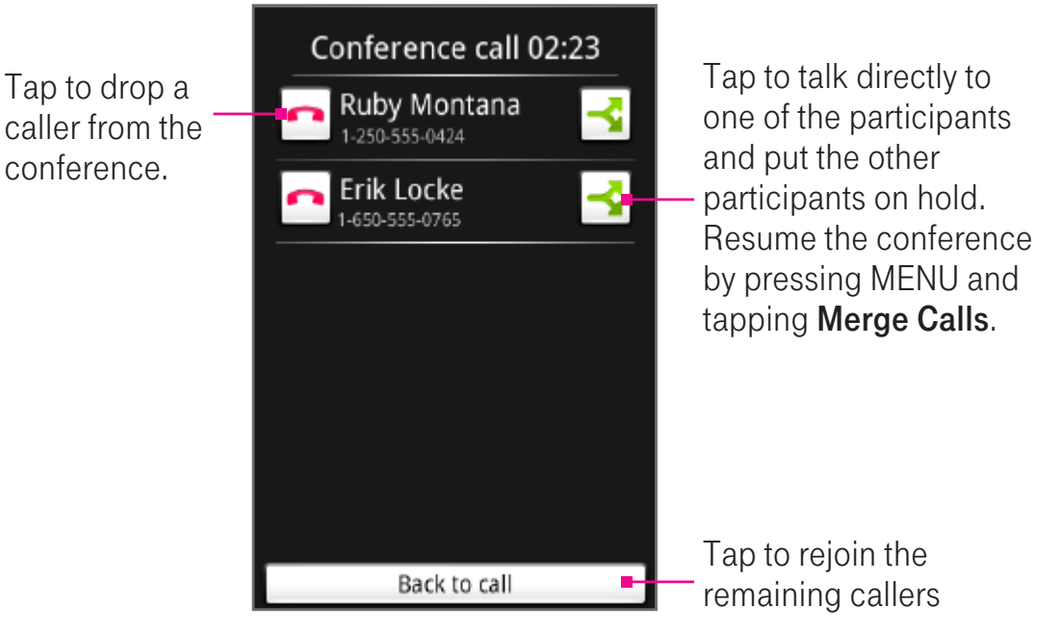
## Set up a conference call

You can set up a conference of up to six participants, including yourself.

**Notes**
- Not all mobile phone networks support conference calling. Contact T-Mobile for details.
- You can also have an additional caller on hold during a conference call, regardless of how many conference call participants.

1. Dial the number of the first conference call participant. See “Make a Call” earlier in this chapter for details.
2. When connected to the first participant, press the CALL button, or press MENU, then tap **Add call** to open the dialer.
3. Enter the number of the second participant, then press the CALL button. The first call is automatically put on hold.

4. When connected to the second partcipant, press MENU, then tap **Merge calls** to begin the conference call.
5. To add more participants, repeat steps 2 to 4. You can add up to six participants to the conference call.
6. To manage the conference call, press MENU and tap **Manage conference**.


Tap to drop a caller from the conference.
Conference call 02:23
Ruby Montana
1-250-555-0424
Erik Locke
1-650-555-0765
Back to call
Tap to talk directly to one of the participants and put the other participants on hold. Resume the conference by pressing MENU and tapping **Merge Calls**.
Tap to rejoin the remaining callers

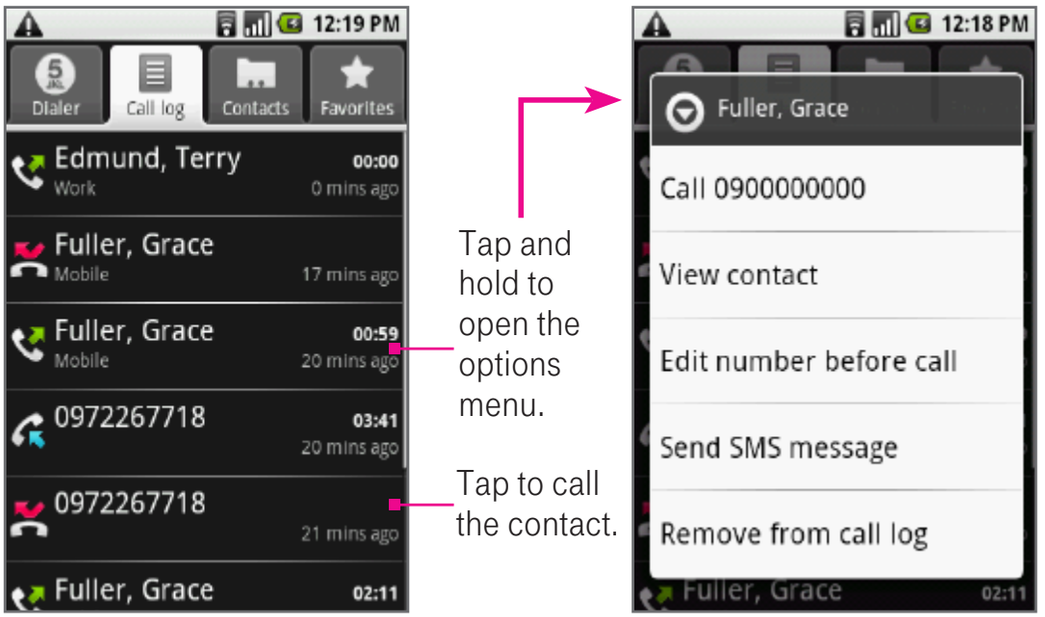
7. To end the conference call and disconnect all callers, press the END CALL button.

# 2.6 Use the Call Log

The **Call log** tab lists all missed calls ( ), dialed numbers ( ), and received calls ( ).

### To open and use the Call log tab

1. While on any application screen, press the CALL button, then tap the **Call log** tab.
2. Do any of the following:
   - Tap the name or number on the list to call.
   - Tap and hold a name or number on the list to display the options menu that allows you to call the contact, view the contact information (if it is saved in your contacts list), edit the number before you redial, and more.




**Note** If available, the online status of the contact will also display in the **Call log** tab. For more information, see “Contacts” in Chapter 5.

### To add a new phone number to Contacts after a call

If the phone number of the person who called is not in Contacts, you can choose to save the number after you hang up.

1. While on any application screen, press the CALL ( ) button, then tap the **Call log** tab.
2. Tap and hold the received call that you want to save to your contacts list, then tap **Add to contacts**.
3. When the Contacts screen appears, tap **Create new contact**. The received call number is automatically added to the **Mobile** phone field.
4. Enter the contact information.
5. Scroll down the screen, then tap **Save**.

### To check a missed call

You will see the missed call icon ( ) in the Status bar when you missed a call. To check who the caller was, do one of the following:

- Tap and hold the notifications area of the Status bar, then slide your finger downward to open the notifications panel. The missed call number and/or contact name is displayed.

  **Tip** If you have multiple notifications, scroll down the notifications panel to view more notifications.

- While on any application screen, press the CALL ( ) button, then tap the **Call log** tab. Missed calls are indicated by the missed call icon ( ).

**To clear the Call log**

Do any of the following:

- To remove a Call log entry, tap and hold on the entry, then tap **Remove from Call log**.
- To clear the entire Call log, press MENU then tap **Clear call log**.

## 2.7 Adjust the Call Settings

You can adjust the call settings on your phone including the voicemail number, and call services available from your wireless service provider.

To open the call settings menu, press HOME > MENU, then tap **Settings > Call settings**.

| Options | Description |
|---|---|
| **Fixed Dialing Numbers** | FDN allows you to restrict outgoing calls to a fixed set of numbers. To enable this feature you must know the SIM PIN2 code of your phone. You can get the PIN2 code from your wireless service provider, assuming this feature is supported. |
| **Voicemail** | Set a voicemail number that is not being read from the SIM card. |
| **Call forwarding** | Select how you want your phone to handle busy, unanswered, and unreachable calls. You can also set the call forwarding option for all incoming calls. |
| **Additional call settings** | Turn the caller ID and call waiting services on or off. |
| **Operator selection** | Scan and select a wireless network operator manually, or set the network selection to **Automatic**. |

## 2.8 Using Bluetooth Headsets and Car Kit Phones

You can place and/or receive calls using a hands-free Bluetooth headset or hands-free car kit.

1. On your T-Mobile G1, make sure that Bluetooth is turned on and set to visible mode. For information about turning on Bluetooth and enabling visible mode, see “Bluetooth” in Chapter 7.
2. Connect the Bluetooth headset or the car kit phone to your T-Mobile G1 via Bluetooth. To learn how to connect, consult your Bluetooth headset or car kit phone’s manual.
3. If this is the first time you are pairing the Bluetooth headset or car kit phone with your T-Mobile G1, enter the Bluetooth headset or car kit’s passcode on your T-Mobile G1.

   You are ready to use your headset or car kit to place and/or receive calls.

## 2.9 Turn the Phone Function On and Off

In many countries, you are required by law to turn off the phone while on board an aircraft. A way to turn off the phone function is to switch your T-Mobile G1 to **Airplane Mode**. When you enable Airplane Mode, all wireless radios on your T-Mobile G1 are turned off, including the phone function, Bluetooth, and Wi-Fi.

**To enable or disable Airplane Mode**

1. Press HOME > MENU, then tap **Settings > Wireless controls**.
2. Select the **Airplane mode** check box to enable or disable Airplane Mode. When enabled, the Airplane Mode icon ( ) displays in the Status bar.

**Tip** When you disable Airplane Mode, the phone function is turned back on and the previous state of Bluetooth is restored.

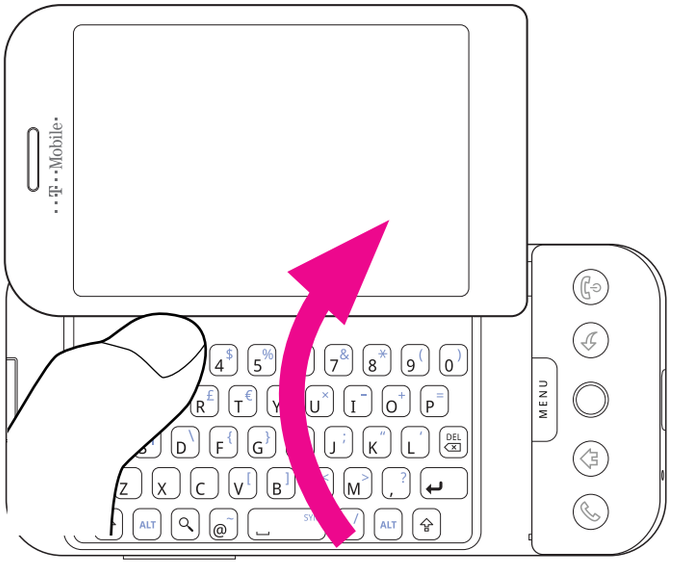
# Chapter 3 Entering Text

## 3.1 Using the Keyboard

When you start an application or select a field that requires text or numbers, you can use the QWERTY keyboard to enter information. The keyboard is similar to a standard keyboard on your computer.

**To open the keyboard**

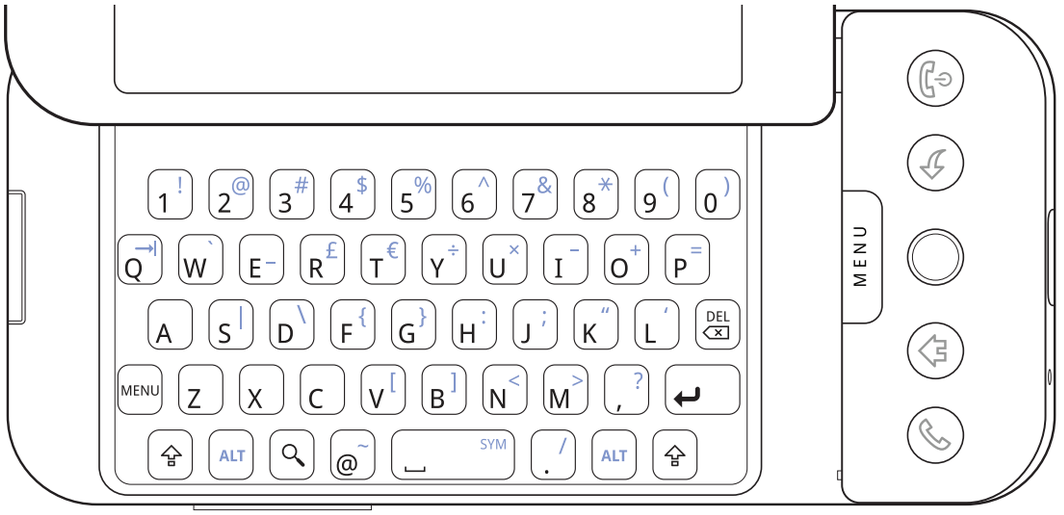
1. Hold the phone sideways, with the control buttons on the right.
2. Push the screen panel up to reveal the keyboard.




**Note** The screen automatically changes to landscape orientation when you open the keyboard (except in Browser and Pictures, where you can set the screen orientation depending on your preference).

## To use the keyboard

You can do the following with the keyboard:




| To | Do this |
|---|---|
| Enter lowercase letters and numbers | Press the keys using your thumbs or fingers. |
| Enter all letters in uppercase | Press SHIFT ( ⇧ ) twice. Press ⇧ again to change back to all lowercase letters. |
| Enter a single uppercase letter | Press ⇧ and then press the corresponding key. |
| Enter the symbol or punctuation mark printed at the upper right corner of an alphabet key | Press ALT ( ALT ), then press the corresponding key. |
| Enter the symbol or punctuation mark printed at the upper right corner of a numeric key | Press ⇧ and then press the corresponding key. |
| Insert a special character | Press ALT + SPACEBAR ( SYM ) to open the special character window. Use the TRACKBALL to select the special character, then press the TRACKBALL to insert the special character into your text. |

| To | Do this |
|---|---|
| Insert an @ character | ▪ Press @<br>▪ Press ⇧ + 2. |
| Delete the character to the left | Press DEL ( DEL ). |
| Delete the character to the right | Press ⇧ + DEL |
| Delete the entire line of text | Press ALT + DEL |
| Move the cursor to the beginning or end of the line | Press ALT , then roll the TRACKBALL to the left or right |
| Create a tab character | Press ALT + **q** |
| Highlight (select) text | Press ALT + ⇧ , then roll the TRACKBALL |
| Cut text | ▪ When the text is highlighted (selected), press MENU + **x**<br>▪ Highlight the text, press and hold TRACKBALL, then tap **Cut** on the menu. |
| Copy text to the clipboard | ▪ When the text is highlighted (selected), press MENU + **c**<br>▪ Highlight the text, press and hold TRACKBALL, then tap **Copy** on the menu. |
| Paste text copied on the clipboard | ▪ When the text is highlighted (selected), press MENU + **v**<br>▪ Highlight the text, press and hold TRACKBALL, then tap **Paste** on the menu. |
| Undo change | Press MENU + **z** |
| Select all text in a field | ▪ Press MENU + **a**<br>▪ Highlight the text, press and hold the TRACKBALL, then tap **Select** on the menu. |

### Special keys

#### Search ( )

Press the **Search** key, located at the left of the @ key, to launch the search bar. In the search bar, enter the information you want to search, then press again, or tap **Search**.

#### Menu ( )

Instead of pressing the MENU button, you can press the **Menu** key, located at the left of the Z key, to open the menu for each screen. This means that, with the keyboard open, you can open the menu using your left hand (press the Menu key) and select a menu option with your right hand (roll and press the TRACKBALL).

## 3.2 Creating Application Shortcuts

You can set keyboard shortcuts that open individual applications when used together with the **Search** key. For example, if the shortcut to the **Browser** application is “b”, then on any application screen on the phone, you could press **Search + b** to open the Browser application.

#### To assign a shortcut key

1. Press HOME, then press MENU.
2. Tap **Settings**, scroll down the screen, then tap **Applications > Quick launch**.

**Note** The quick launch screen is organized first by letter (a to z), then followed by numbers (1 to 9). By default, some applications have already been assigned shortcuts, such as “b” for Browser. You can change or replace these default shortcuts.

3. Tap an unassigned letter or number. A list of all installed phone applications appears.
4. Tap the application that you want to assign the shortcut number or letter.

**To replace a shortcut key**

1. Press HOME, then press MENU.
2. Tap **Settings**, scroll down the screen, then tap **Applications > Quick launch**.
3. Tap the application shortcut you want to replace, then select the new application that you want the shortcut key assigned.

## 3.3 Adjusting the Text Settings

You can change some text settings for faster and more accurate text input.

**To adjust the text settings**

1. Press HOME, then press MENU
2. Tap **Settings**, scroll down the screen, then tap **Text**.
3. Enable or disable the following options according you your preference:
   - **Auto-replace**. Turn this feature on to automatically correct commonly-mistyped words. Note that the Auto-replace function is not a spell-checker.
   - **Auto-cap**. When enabled, the first letter in a text field or the first letter after a period (.), question mark (?), or exclamation point (!) is automatically capitalized.
   - **Auto-punctuate**. When enabled, a period (.) is automatically inserted when you enter two spaces in succession.

**Note** All text settings are enabled by default.

# Chapter 4 Synchronising Information

## 4.1 About Synchronisation

Some Google applications on your phone (Google Mail, Calendar, and Contacts) give you access to the same personal information that you can add, view, and edit on your computer using Google Mail. This means that when you add, change, or delete your information in any of these applications on the web, the updated information also appears on your phone, and vice versa. Also, if you lose your phone or if your phone is destroyed, your personal information remains intact and will appear, as before, on a replacement phone.

This “mirroring” of information is made possible through over-the-air data synchronisation, or data “syncing”. Data syncing occurs in the background and does not get in your way. You’ll know your data is being synchronised when you see the data synchronisation icon ( ) in the Status bar.

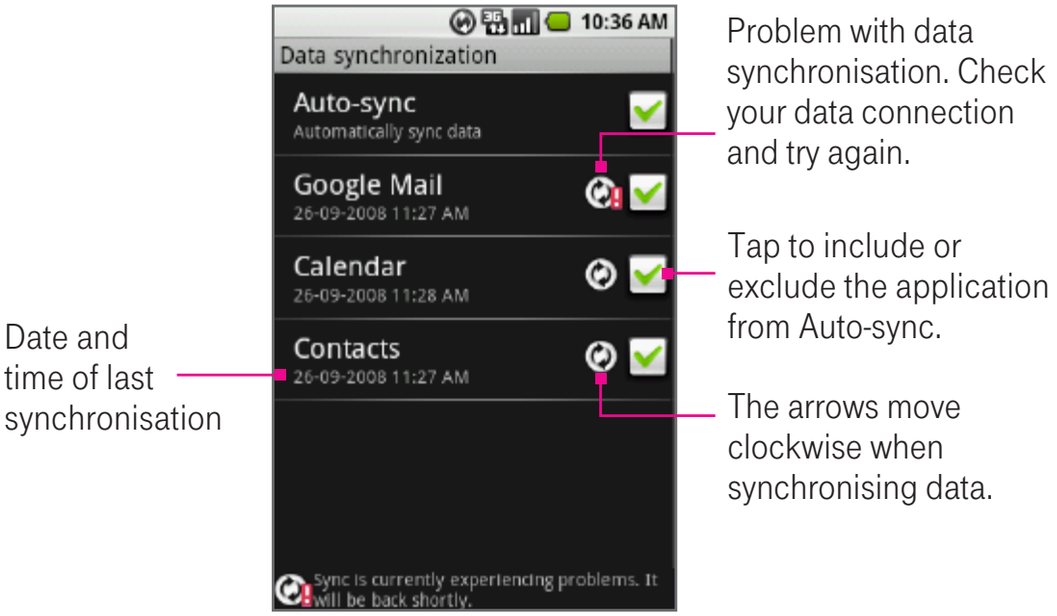
Because sending large amounts of data back and forth over the air can take time and require considerable bandwidth, you can adjust some settings on the phone to control data sync.

## 4.2 Control Application Synchronisation

**To control application synchronisation**

1. Press HOME, then press MENU.
2. Tap **Settings > Data synchronization**.

**Note** By default, the personal information in Google Mail, Calendar, and Contacts will sync whenever you make a change or receive a new message.


10:36 AM
Data synchronization
Auto-sync
Automatically sync data
Google Mail
26-09-2008 11:27 AM
Calendar
26-09-2008 11:28 AM
Contacts
26-09-2008 11:27 AM
Sync is currently experiencing problems. It will be back shortly.
Problem with data synchronisation. Check your data connection and try again.
Tap to include or exclude the application from Auto-sync.
The arrows move clockwise when synchronising data.
Date and time of last synchronisation

3. Adjust the following sync option and applications according to your preference:
   - **Auto-sync**. When enabled (checked), Auto-sync will sync Google Mail, Calendar, and Contacts automatically, as you make changes or receive new messages. When disabled, information will not be synchronised automatically.

**Tip** When **Auto-sync** is disabled, you can force synchronise individual applications, such as Google Mail or Calendar, by selecting their respective check boxes, or by pressing the MENU button and tapping **Sync now**.

- **Google Mail**. Clear the check box to exclude the application from auto-sync, or tap the item to begin synchronisation. You can also control synchronisation by selecting which Google Mail email label you want to synchronise. See “To select labels to synchronise” in Chapter 6 for details.
- **Calendar**. Clear the check box to exclude the application from auto-sync, or tap the item to begin synchronisation.
- **Contacts**. Clear the check box to exclude the application from auto-sync, or tap the item to begin synchronisation.

## 4.3 Stop Synchronisation

During synchronisation, press MENU, then select **Cancel sync** to stop synchronisation.

# Chapter 5 Working with Your Contacts and Calendar

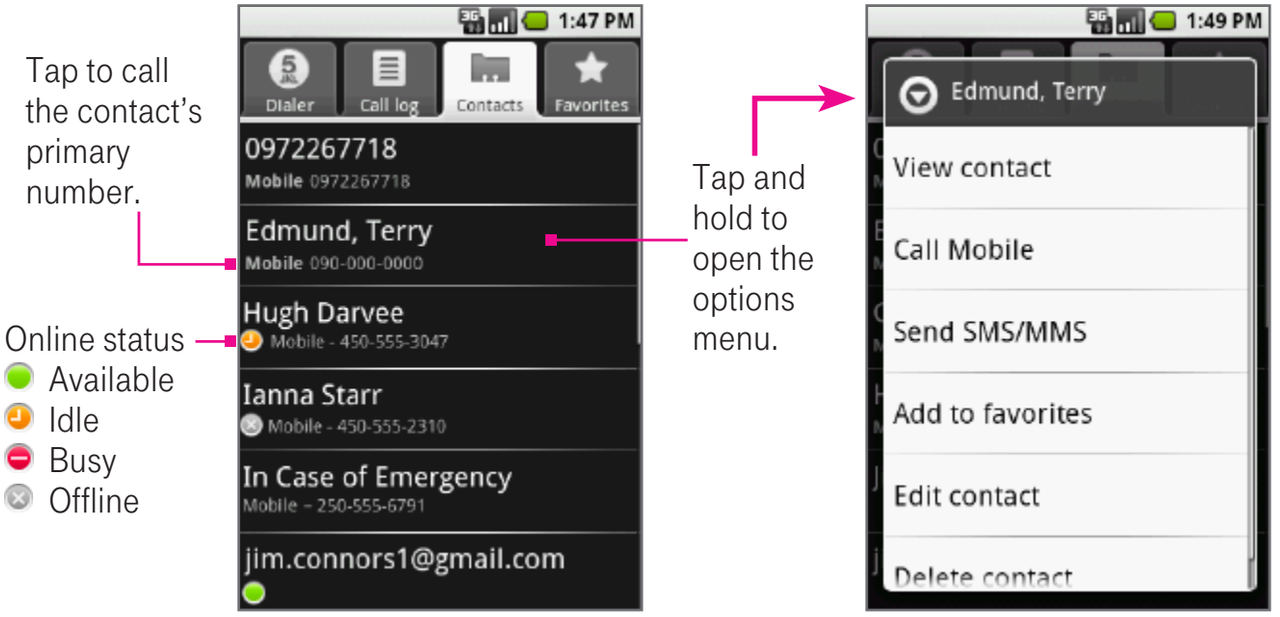
## 5.1 Contacts

View and create contacts that sync with your Google Mail contacts on the web. Similar to an online address book, the Contacts application gives you easy access to the people you want to reach.

**To view your Contacts list**

- Press HOME, then tap **Contacts**.
- Press the CALL button, then tap the **Contacts** tab.

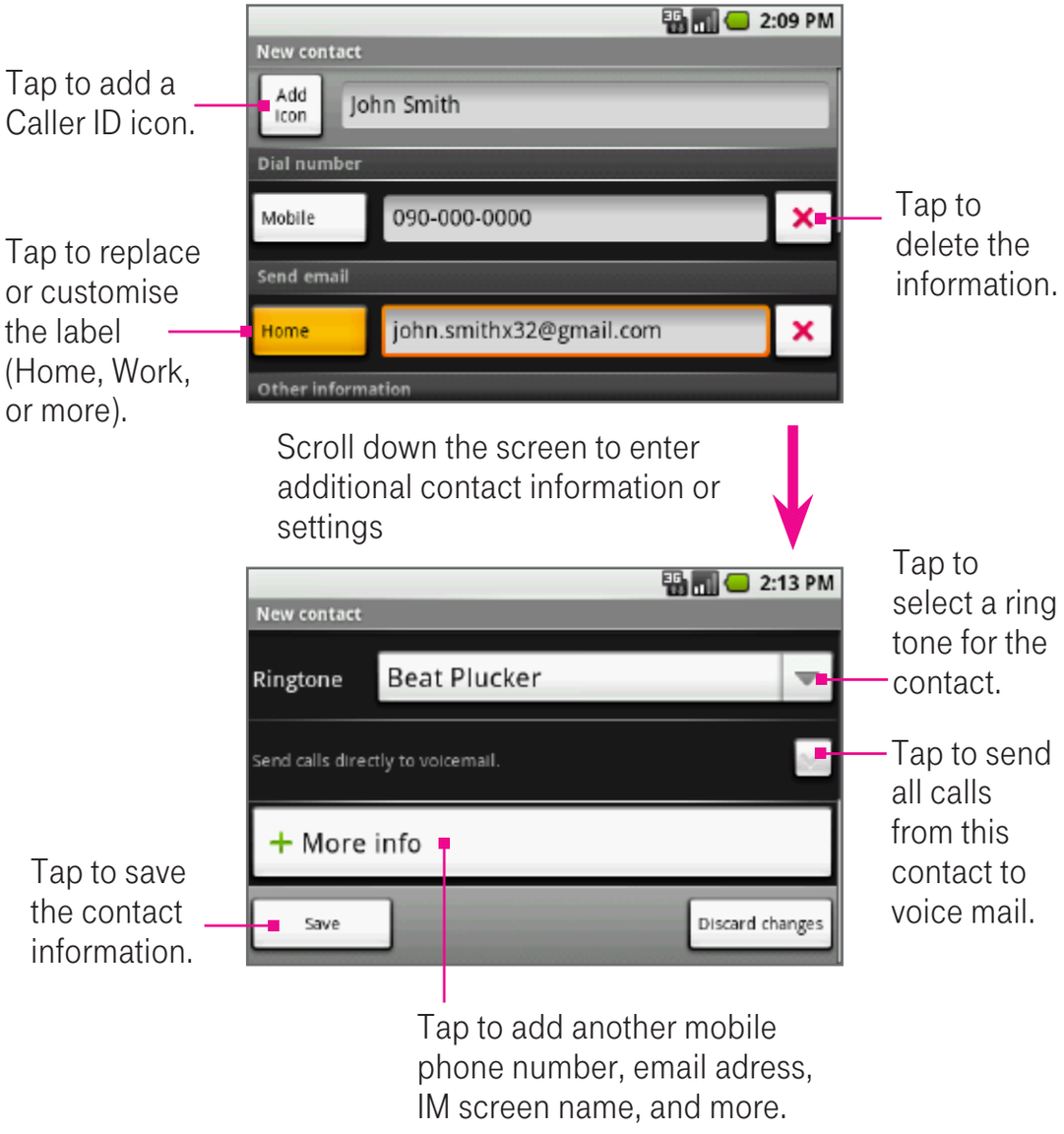
  The **Contacts** tab displays the name of your contact, their first-labeled number in their contact details, and their online status (if you're signed-in to Google Talk).



## Add new contacts

### To add a new contact on your T-Mobile G1

1. Press HOME, then tap **Contacts**. Your contacts list appears.
2. Press MENU, then tap **New contact**.
3. Open the keyboard and enter all information you want to store for the contact. Use the TRACKBALL to move among fields.


Tap to add a Caller ID icon.
Tap to replace or customise the label (Home, Work, or more).
2:09 PM
New contact
Add icon
John Smith
Dial number
Mobile
090-000-0000
Send email
Home
john.smithx32@gmail.com
Other information
Tap to delete the information.
Scroll down the screen to enter additional contact information or settings
2:13 PM
New contact
Ringtone
Beat Plucker
Send calls directly to voicemail.
+ More info
Save
Discard changes
Tap to select a ring tone for the contact.
Tap to send all calls from this contact to voice mail.
Tap to save the contact information.
Tap to add another mobile phone number, email adress, IM screen name, and more.

**Note** To add a caller ID icon, assign a ringtone, or add more information to your contact, see “To customise contact information” in this chapter.

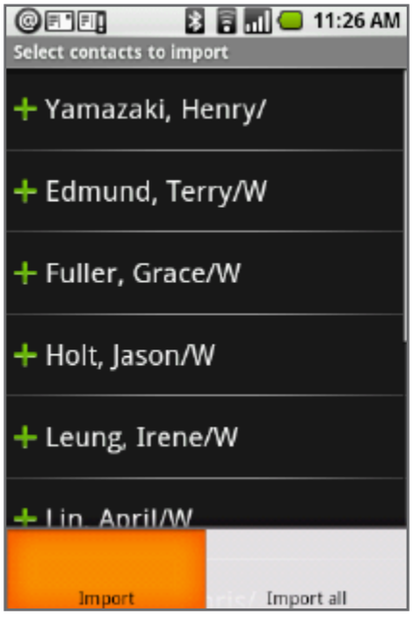
4. To change a default label, for example **Home** to **Work**, tap the label name, then tap a different label or create a custom label from the label menu.
5. Scroll down the screen.
6. If you want all calls from this contact to go directly to voice mail, select the **Send calls directly to voicemail** check box.
7. When finished, tap **Save**, or press MENU, then tap **Save** to save the contact.

**Tip** Email addresses are automatically added to your contacts list each time you use the **Reply**, **Reply to all**, or **Forward** functions to send messages to addresses not previously stored in Contacts.

### To add contacts from the SIM card

You can add contacts saved on your SIM card to your phone’s contacts list.

1. Press HOME, then tap **Contacts**. Your contacts list appears.
2. Press MENU, then tap **Settings > SIM contacts importer**. Wait for the SIM card contents to load.
3. Do any of the following:
   - To import a contact, select the contact from the list using the TRACKBALL. Press MENU, then tap **Import**.
   - To import all contacts, press MENU, then tap **Import all**.



### To edit the contact information

You can always make changes to the information you have stored for a contact.

1. In your contacts list, tap and hold the contact whose information you want to edit. The options menu opens.
2. Tap **Edit contact**. The Edit contact screen appears.
3. Edit the contact information, then select **Save**. To ignore all changes you made to the contact information, select **Discard changes**.

**Note** Once you've edited a contact's details, the contact will automatically become part of the **My Contacts** group. For more information about **My Contacts**, see "To select a group to display" in this chapter.

### To customise contact information

While creating or editing a new contact, you can add a caller ID icon, assign a custom ring tone, or store additional information for the contact such as a postal address, an instant messaging ID, or additional phone numbers.

**Note** Copy your contact's picture into the memory card before you add a caller ID icon. For information on how to copy pictures to your memory card, see "Using Pictures" in Chapter 9.

1. In the New contact or Edit contact screen, tap the **Add icon** button. The Pictures application opens and displays your albums.
2. Navigate to the contact's picture using the TRACKBALL, then tap the picture.
3. The cropper appears. Do any of the following:
   - To adjust the cropper size, touch and hold the cropper edge. When the cropper arrows appear, drag your finger inward or outward the centre of the cropper to resize it.

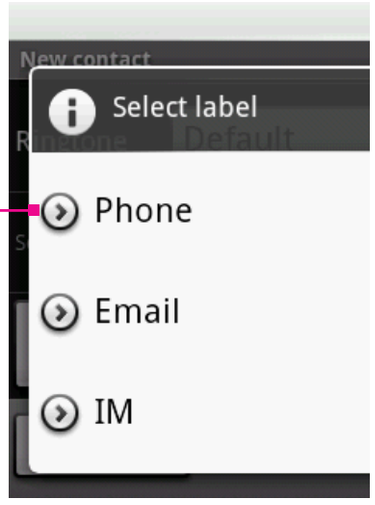
- To move the cropper to another area in the picture, tap and hold inside the cropper, then drag it with your finger to the desired position.

4. Tap **Save**. The picture is associated with your contact.

**Note** This picture will appear on the screen when you receive a call from the contact. If you don't add a caller ID icon, the default placeholder icon ( ) will be used.

5. Tap the **Ringtone** field, then select a ring tone from the list.
6. The ring tone briefly plays. If you want to assign the ring tone to the contact, tap **OK**.
7. Tap **More info** to open the **Select label** window and add another phone number, email address, instant messaging ID, postal address and more.

**Tip** You can edit the new label in the New contact screen.




Tap to view and select additional contact information

8. When finished, scroll down the screen and tap **Save**, or press MENU, then tap **Save**.

**Tips**

- If a person who is not in your list of contacts calls you and you want to save that person's phone number, tap and hold the phone number in the **Call log** tab and then tap **Save to Contacts** on the menu.
- To save a phone number that is contained in a message, open the message, then tap the underlined phone numbers. Select the phone number you want to save, press MENU, then tap **Add to contacts**.

### To add a contact to the Favorites tab

Use the **Favorites** tab as a way to filter your contacts list.

1. In the contacts list, press and hold the contact to open the options menu.
2. Tap **Add to favorites**.
   The contact will be added to the contacts list on the **Favorites** tab. A colored star will also appear with the contact name in the contact details screen.

## View, organise and search

### To browse the contacts list

You can easily browse through your contacts list by using finger gestures.

- To move down the contacts list slowly, drag your finger upward. To move up the contacts list, drag your finger downward.
- To scroll down the contacts list automatically, flick your finger upward on the touch screen. To auto scroll upward, flick your finger downward. Simply touch the screen to stop the scrolling.

### To select a group to display

You can manage your contacts easier by selecting a particular group, for example, those contacts with phone numbers, to appear in the contacts list.

1. Press HOME, then tap **Contacts**. Your contacts list appears.
2. Press MENU, then tap **Display group**.
3. Select the group you want to display in the contacts list. You can select:
   - **All contacts**. Display all contacts that you have created on and added automatically to your phone.
   - **Contacts with phone numbers**. Display only the contacts with phone numbers.
   - **My Contacts**. This is a special group of contacts that displays by default in your contacts list. It includes the contacts that you frequently communicate with.

To move a regular contact into the My Contacts group on your phone, simply edit that contact's details. Refer to the "To edit contact information" earlier in this chapter.

4. Tap **OK**.

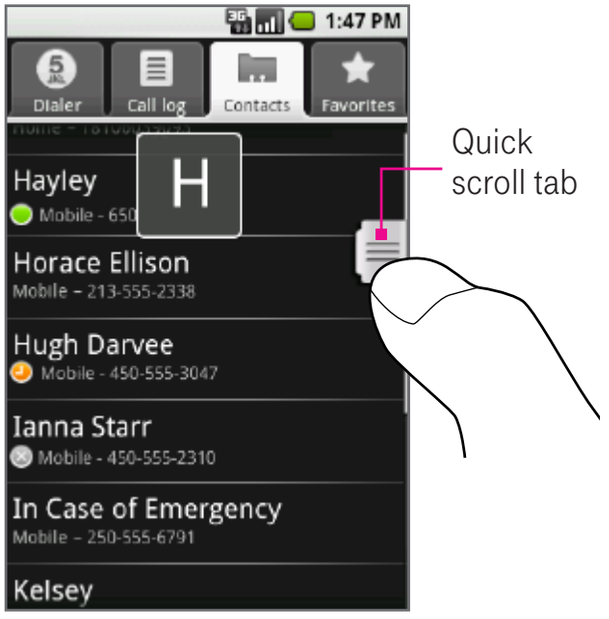
**Note** All email addresses that you have sent messages to are added automatically to the **Suggested Contacts** group. You can move contacts from **Suggested Contacts** into **My Contacts** at any time using the Google Mail web client on your PC. You can also create additional contact groups in the Google Mail web client.

### To find a contact on your T-Mobile G1

There are several ways to find a contact when your contacts list is long.

- Browse through your contacts by rolling the TRACKBALL, or by sliding your finger up and down on the screen. Rapid brush movements in either direction accelerates the scrolling. Tap the screen to stop the scrolling.

- Another way to find a contact quickly is to use the **Quick scroll** tab.
  As soon as you start scrolling with your finger, the quick scroll tab appears on the right, connected to the scroll bar. Tap and drag the tab up or down to scroll through the alphabet rapidly. Release your finger when the first letter of the name you are looking for appears. You will be taken to that point in the names.



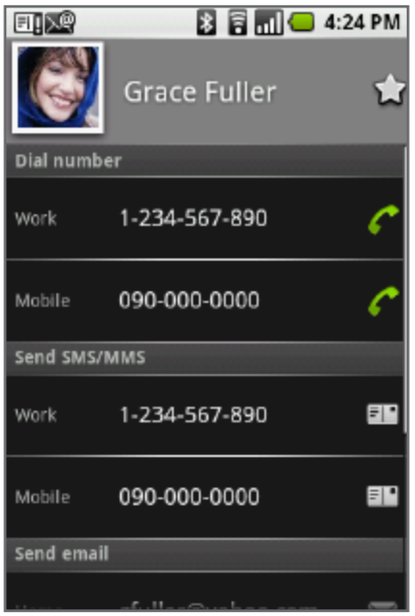
**Tip** To find a contact quickly on the Home screen, open the keyboard and start typing the contact's name. The contacts list appears and displays matches for the contact name that you have entered.

## Communicate with contacts

From the contacts list you can quickly call or send a text message to a contact's default number displayed below their name.

However, to view all the information you have stored for a contact, and to initiate other types of communication with that contact, open the contact details screen.

To open the contact's details screen, tap the contact name in the contacts list.



Contact details screen

### To call a contact

Do any of the following:

- In the contacts list, use the TRACKBALL to select the contact you want to call, then press the CALL button. The contact's first labeled number — the first phone number on their details screen — is dialed.
- To dial a different number for the contact, tap the contact's name to open the contact details screen, then tap a phone number below the Dial number section to dial.

### To send a text or picture message to a contact

Do any of the following:

- In the contacts list, tap and hold the contact's name to open the options menu, then tap **Send SMS/MMS**. A compose screen opens for your new message. Open the keyboard to enter your message and tap **Send** or press ↵.
- Tap the contact on the list to open the contact details screen, then tap a phone number below the **Send SMS/MMS** section. A compose screen opens for your new message.Open the keyboard to enter your message and tap **Send** or press ↵.

**Notes**
- To send a text or picture message to a contact, you must have specified a mobile phone number for them in their contact details.
- For more information about composing and sending text or picture messages, see Chapter 6.

### To send an email to a contact

1. In the contacts list, tap the contact you want to send the email.
2. On the contact details screen, tap an email address below the **Send email** section. If you are fetching external email accounts to your phone, then tap the account you wish to use to send the message.
3. A compose screen opens for your new message. Enter your message, then press MENU , and tap **Send**, or press ↵ to send the email message.

**Notes**
- To send an email to a contact, you must have specified an email address for them in their contact details.
- For more information about composing and sending email messages, see Chapter 6.

### To send an instant message to a contact

1. Make sure that you are signed in to Google Talk. Refer to “Google Talk” in Chapter 6 for details.
2. In the contacts list, tap the contact you want to send the instant message. You can check whether the contact is available ( ) via their online status indicators.
3. On the contact details screen, tap an instant messaging ID below the **Send instant message** section.
4. Your chat session begins. If your contact is not available, a message will appear on the chat screen to inform you that the contact is offline.

**Note** To send an instant message to a contact, you must have specified an instant message screen name for them in their contact details. For more information about instant messaging, see Chapter 6.

### To map a contact’s address

1. In the contacts list, tap the contact you want to map.
2. On the contact details screen, scroll down to the **Map address** section, then tap the postal or physical address you want to map.
3. The Maps application opens and locates the address. Press MENU to view additional options.

**Note** To map a contact’s address, you must have specified a postal or physical address for them in their contact details. For more information on how to use Maps, see Chapter 8.

## Keyboard shortcuts in Contacts

### Contacts list screen

| | |
|---|---|
| Create a new contact | Press MENU + n |
| View the contact details | Press ↵ |
| Call the contact | Press |
| Jump to the top or bottom of the contacts list | Press ALT, then roll the TRACKBALL up/down |

### Contact details screen

| | |
|---|---|
| Edit the contact details | Press MENU + e |

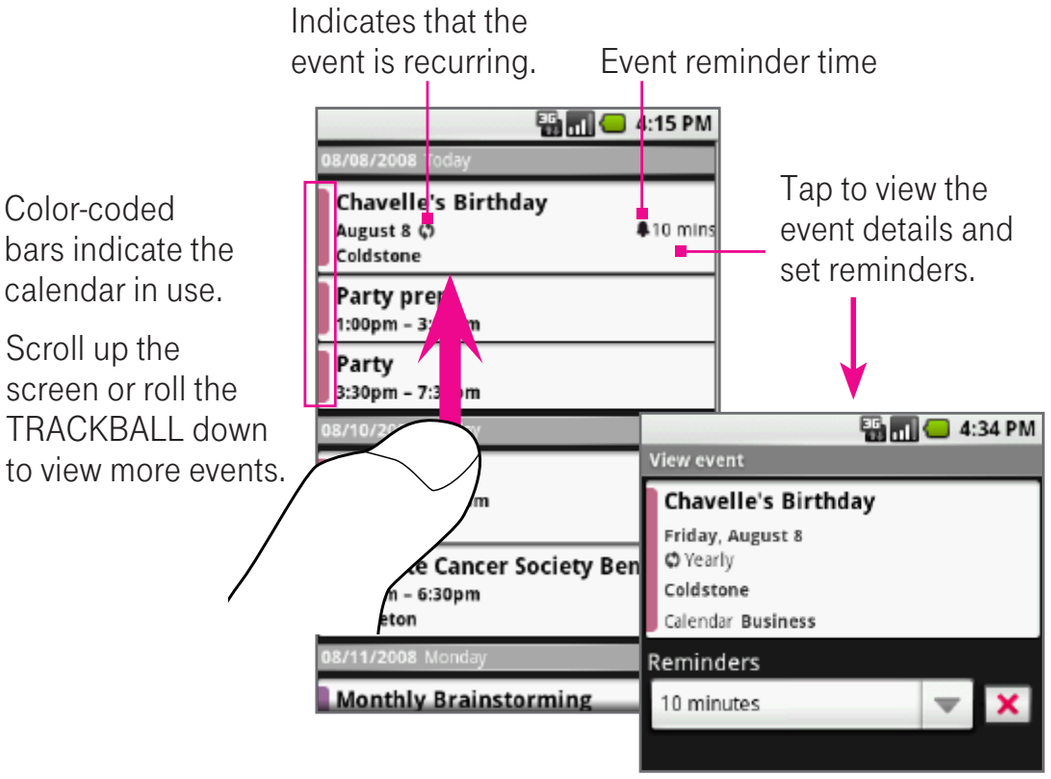
# 5.2 Calendar

Use **Calendar** to create events, including meetings and other appointments. If you have created several calendars in the Google Mail or Google Calendar web client, you can view all of your calendars and events in this application. Events are color-coded so you'll know what calendar you are using.

**Note** The Calendar on your phone stays in sync with your Google Mail or Google Calendar events on the web. For more information about Calendar synchronisation, see Chapter 4.

## Open Calendar

1. Press HOME, then tap the **Applications** tab
2. Tap **Calendar**. The Calendar in the **Agenda** view opens.

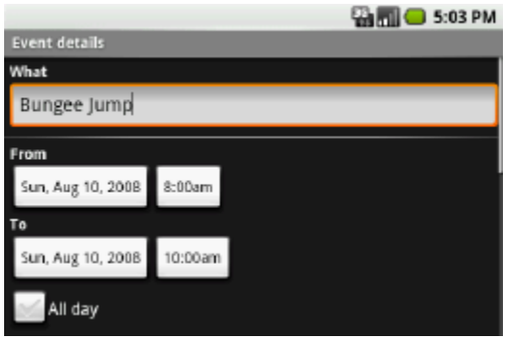



- To display Google Calendar in daily, weekly, or monthly view, press MENU, then tap **Day**, **Week**, or **Month**.
- To create a new event, press MENU, then tap **New event**. See the “Create events” section in this chapter for more information.
- To edit an event, tap it to view the event details, press MENU, then tap **Edit event**. See the “To edit an event” section in this chapter.
- To cancel an event, tap the event on the calendar, press MENU, then tap **Delete event**.
- On any Calendar view, press MENU, then tap **Today** to display your current day’s calendar.

## Create events

### To create an event

1. On any Calendar view, press MENU and tap **New event** to open the Event details screen.
2. Open the keyboard and enter a name for the event.
3. Do one of the following:
   - If there is a time frame for the event, set the **From** and **To** date and time.
   - If it is a special occasion such as a birthday or a whole-day event, set the **From** and **To** date, then select the **All Day** check box.




4. Enter the event location, description, and select whether the event repeats (recurring), and the calendar to store the event (if you have more than one calendar).
5. Press MENU, then tap **Show extra options** to set your online status when the event occurs and to specify if the event is private or public.
6. Press MENU, then tap **Add reminder** to set an event reminder.
7. When finished, tap **Save**.

**Tip** To quickly create an event in **Day** or **Week** view, tap and hold an empty time slot, then tap **New event**. A new Event details screen appears. The selected time slot appears automatically in the **From** time field.

### To edit an event

You must have created and have write privileges over an event before you can edit it.

1. On any Calendar view, use the TRACKBALL to navigate to the event.
2. When selected, tap the event or press the TRACKBALL to view the event details.
3. Press MENU, then tap **Edit event**.

**Notes**
- If **Edit event** does not appear on the options, you cannot make any changes to the selected event.
- If your event is recurring, you will be asked to choose which events you want changed. You may choose to edit only the current one you are editing, all events in the series, or the current event plus future events.

4. After you finished editing the event, tap **Save**.

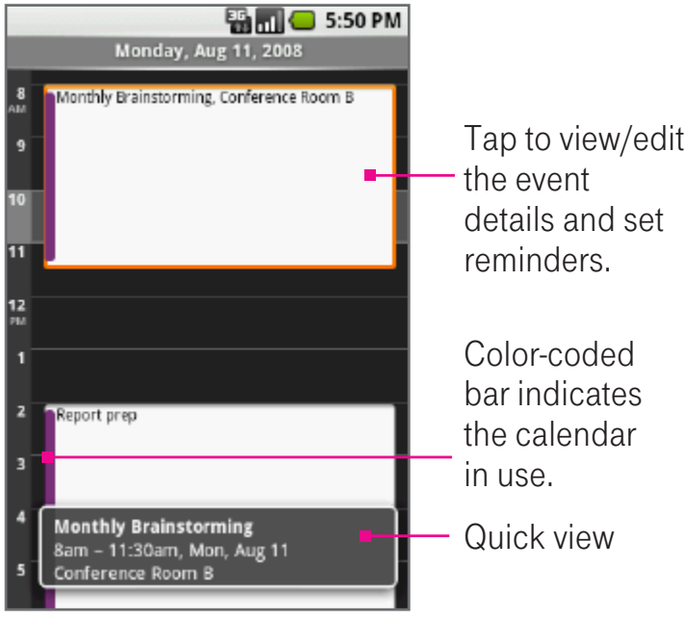
## View events

Aside from the Agenda view, you can view your events in Day, Week, or Monthly view.

### Using the Day view

In Calendar, press MENU, then tap **Day**. Your daily calendar appears.

Days are divided into horizontal time slots (rows). Events are shown tiled and span the time they last. All-day events are displayed on top of the day list.

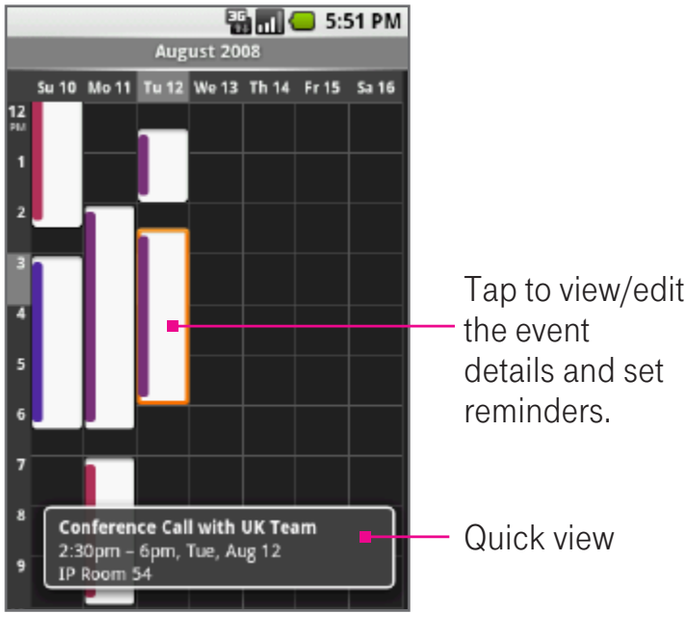

5:50 PM
Monday, Aug 11, 2008
Monthly Brainstorming, Conference Room B
Report prep
Monthly Brainstorming
8am – 11:30am, Mon, Aug 11
Conference Room B
Tap to view/edit the event details and set reminders.
Color-coded bar indicates the calendar in use.
Quick view

- To quickly view the event details, highlight it using the TRACKBALL. A **quick view** details window appears on the lower part of the screen.
- To edit an event, tap the event to open the event details screen. Press MENU, then tap **Edit event** to open the event for detailed editing.
- Roll the TRACKBALL up or down, or slide your finger up or down on the screen to navigate time slots within the current day.
- Roll the TRACKBALL left or right, or slide your finger left or right on the screen to navigate to the previous or next day.
- Press MENU and tap **Go to today** to jump to the current day's calendar.

### Using the Week view

In Calendar, press MENU, then tap **Week**. Your weekly calendar appears.

Days are shown vertically in the Week view. Time slots are defined horizontally in rows, and events are shown as blocks.

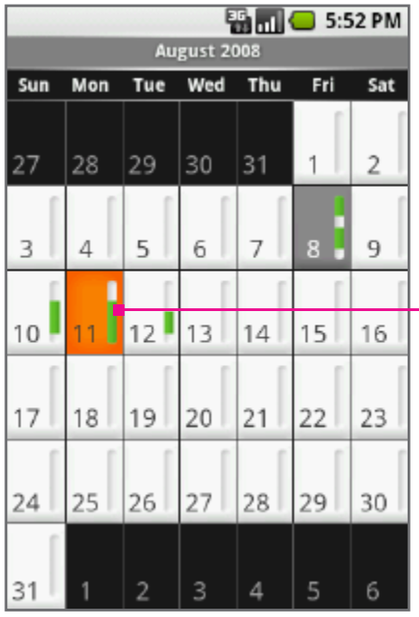



- To view additional event details, highlight an event using the TRACKBALL
  A quick view details window appears on the lower part of the screen.
- Roll the TRACKBALL up or down, or slide your finger up or down on the screen to navigate time slots within the current week.
- Roll the TRACKBALL left or right, or slide your finger left or right on the screen to navigate to the next or previous week.

### Using the Month view

Days are shown in a month grid. Events are marked as green horizontal bars, and occupies the approximate time slot.

- Tap a day to open the Calendar in **Day** view.
- Roll the TRACKBALL up or down, or slide your finger up or down on the screen to go to the next or previous month.




## Select the calendar to use

If you have created more than one calendar on the Google Mail or Google Calendar web client (for example, Business, Personal, or Family), you can select any or all of the calendars to display their events in Calendar.

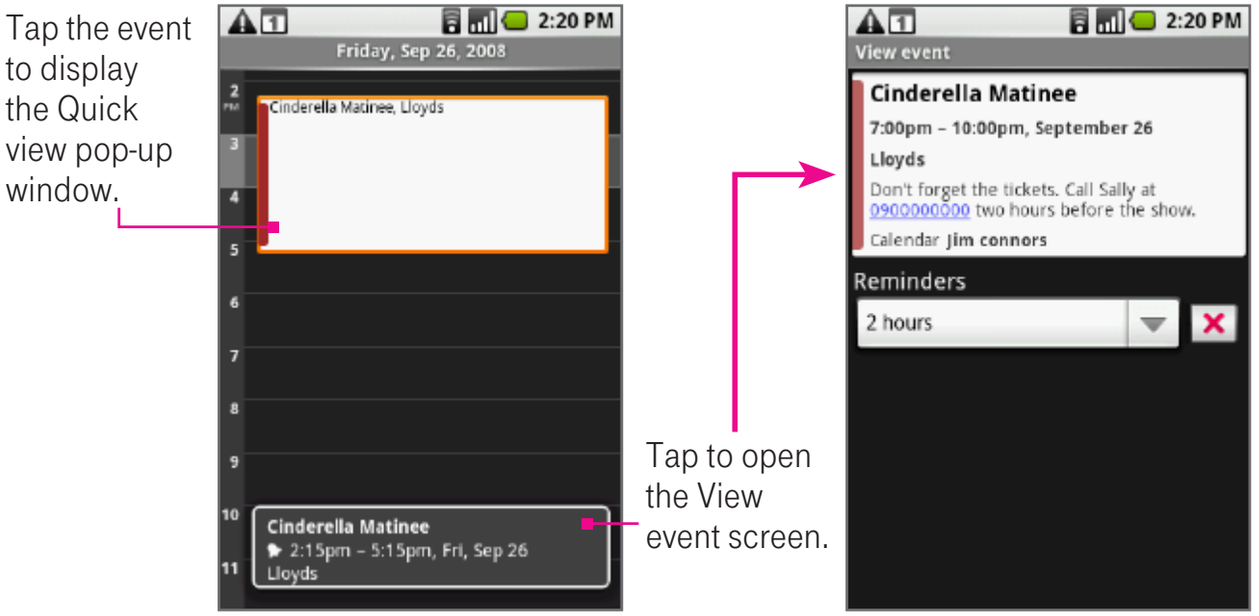
### To select the calendar to use

1. On any Calendar view, press MENU and tap **More > My calendars**.
2. All your calendars display in a list. Select the calendars you want to display on your phone, or clear a calendar check box to keep it from displaying in Calendar.

### Using the View event screen

You can use the View event screen to see the event details, reset or add an event reminders, or edit the event. To open the View event screen, do any of the following:

- While in the Day or Week view, highlight an event to display the Quick view pop-up window. Tap the Quick view window to open the View event screen.
- While in the Agenda view, simply tap an event to open the View event screen.
- While in the Month view, select the day of the event to go to either the Agenda or Day view, then follow the instructions above.




In the View event screen, you can do any of the following:

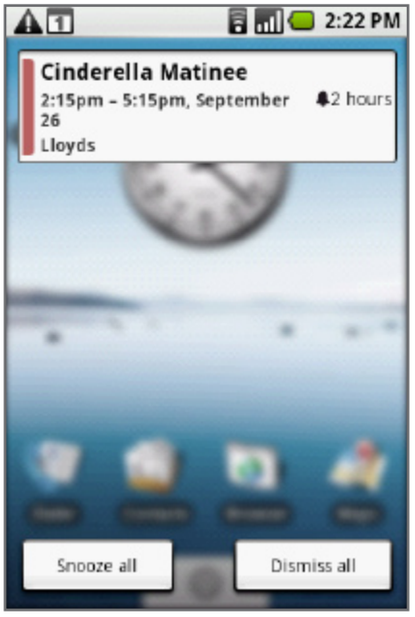
- Tap the Reminders box to change the reminder time.
- Tap ✕ to delete the reminder. Otherwise, press MENU, then tap **Add reminder** to add another event reminder. You can set up to five event reminders.
- Press MENU, then tap **Edit event** or **Delete event** accordingly.

## Event reminders

If you have set at least one reminder for an event , the upcoming event icon will appear in the notifications area of the Status bar to remind you.

### To view, dismiss, or snooze the reminder

1. Touch the Status bar, then slide your finger down the screen to open the notifications panel.
2. Tap the upcoming event name.




> **Note** If you have other reminders pending, they will be shown on this screen as well.

3. Do any of the following:
   - Tap **Snooze all** to snooze the event reminder for five minutes.
   - Tap **Dismiss all** to dismiss all event reminders.
   - Press BACK to keep the reminders pending in the notifications area of the Status bar.

## Change the Calendar settings

You can hide declined events or configure event reminders according to your preference.

### To open the Calendar settings

1. On any Calendar view, press MENU and tap **More > Settings**.
2. Tap or select to adjust the following options:
   - **Hide declined events**. Select the check box if you want to hide all events you have declined on all Calendar views.
   - **Set alerts & notifications**. Select this option to set the type of event reminder you want. You can select from an **Alert**, a **Status bar notification**, or **Off**.
   - **Set ringtone**. Select this option to open the ring tone menu and select a ring tone for all new event notifications. The ring tone plays briefly when selected.
   - **Vibrate**. Select the check box if you want the phone to vibrate during an event notification.
   - **Set default reminder**. Tap this option to open the default reminder menu and select an advanced reminder time for all your calendar events. The default reminder time will appear in the Event details screen every time you create a new event.

## Keyboard shortcuts in Calendar

### In any Calendar view

| | |
|---|---|
| Create a new event | Press MENU + n |
| Go to today's calendar | Press MENU + t |
| Switch to Agenda view | Press MENU + a |
| Switch to Day view | Press MENU + d |

| | |
|---|---|
| Switch to Week view | Press MENU + w |
| Switch to Month view | Press MENU + m |
| Go to the Calendar settings | Press MENU + p |
| Open highlighted event details | Press ↵ |
| Edit highlighted event details | Press MENU + e |
| Remove highlighted event | Press DEL |

## View event screen

| | |
|---|---|
| Add an event reminder | Press MENU + r |
| Edit the event details | Press MENU + e |
| Delete the event | Press DEL |

## Edit Event details screen

| | |
|---|---|
| Add an event reminder | Press MENU + r |

# Chapter 6 Exchanging Messages

## 6.1 Text and Picture Messages

**Messaging** lets you send text (SMS) and picture messages (MMS) to other mobile phones.

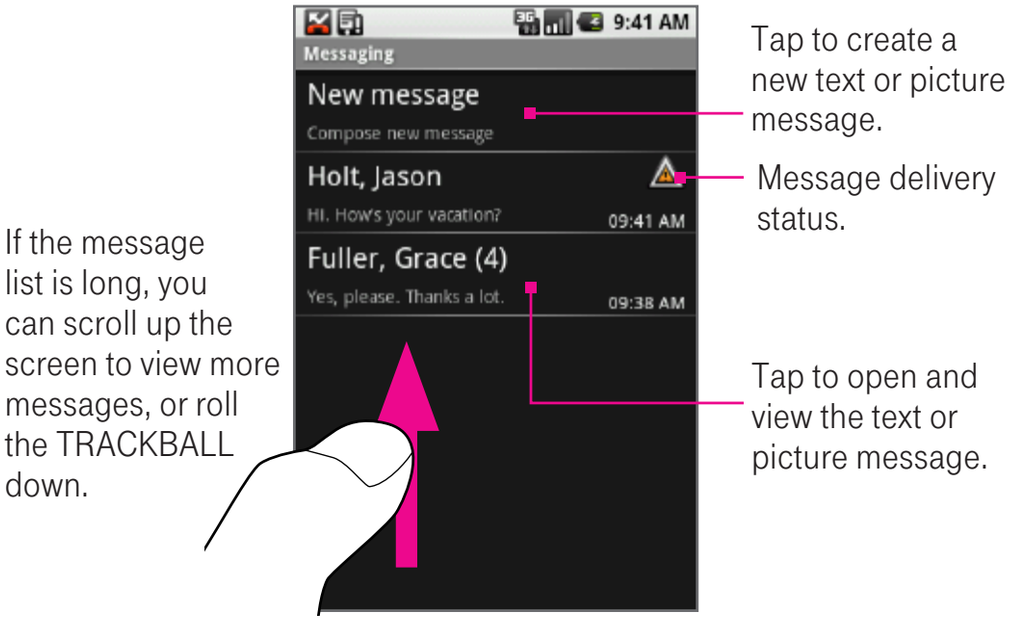
You can compose text messages of up to 160 characters. If you continue to type after the limit is reached, your message will be delivered as one, but count as more than one message. These are called concatenated messages.

Picture messages, also known as multimedia messages, can contain text and a picture, a recorded voice, an audio file, or a picture slideshow.

**Note** The phone automatically converts a text message into a picture message when you add a second recipient, a subject, or an attachment.

### Open Messaging

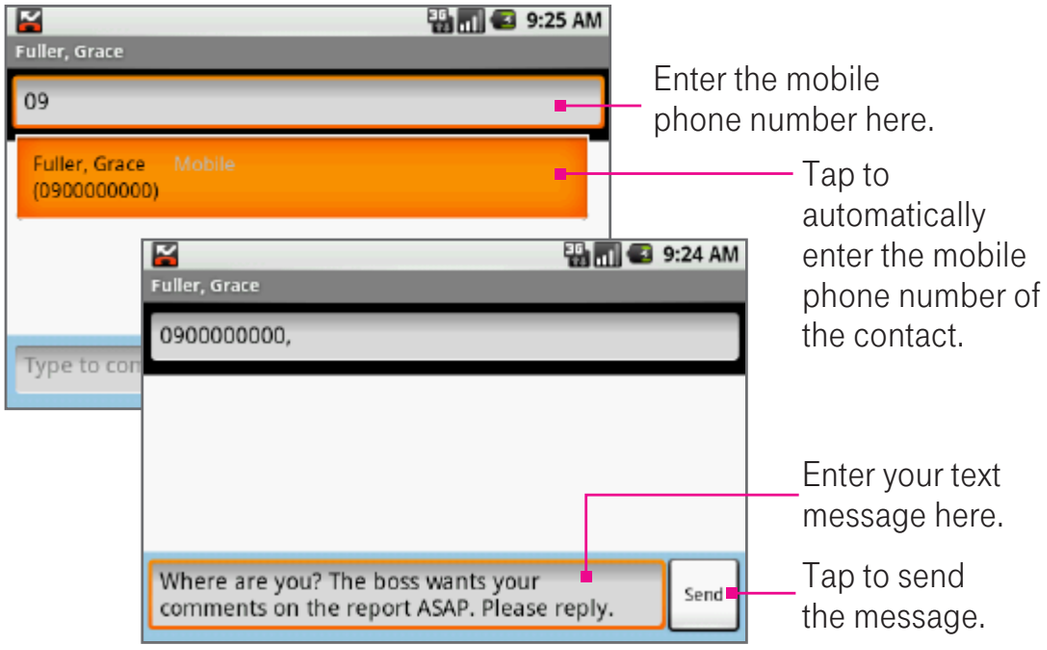
To open the Messaging application, press HOME, tap the **Applications** tab, then tap **Messaging**. The message list appears.


9:41 AM
Messaging
New message
Compose new message
Holt, Jason
Hi. How's your vacation?
09:41 AM
Fuller, Grace (4)
Yes, please. Thanks a lot.
09:38 AM
Tap to create a new text or picture message.
Message delivery status.
If the message list is long, you can scroll up the screen to view more messages, or roll the TRACKBALL down.
Tap to open and view the text or picture message.

## Create and send a text message

1. In the message list, tap **New message**. The Compose screen opens.
2. Open the keyboard, then enter the mobile phone number of the message recipient in the **To** field. As you enter the phone number, matching contacts will appear on the screen. Tap a recipient or continue entering your recipient's number.

**Note** If you entered more than one recipient, the message is automatically converted into a picture message. See the next section for details.




3. Roll the TRACKBALL down to select the text box, then start composing your message.

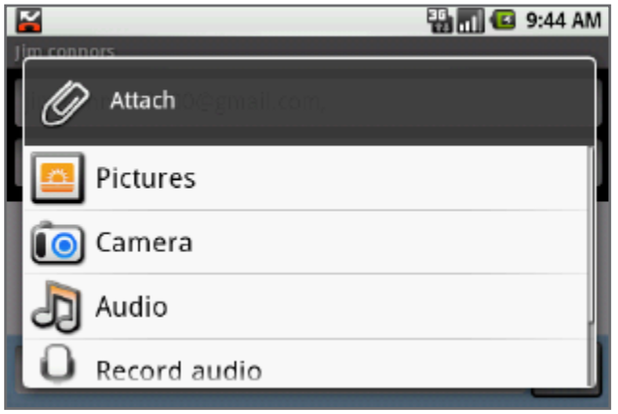
**Note** As you enter text, the text box will tell you the number of characters you have entered. Text messages have a 160-character limit. Once you go over that limit, a new message is actually created but automatically joined into one when received.

4. When done, tap **Send** or press ↵ to send the text message. The send progress is displayed at the right side of the message.

**Note** To receive delivery reports and know when a text message is received, in the message list, press MENU, then tap **Settings**. Below the **SMS settings** section, select the **Delivery reports** check box.

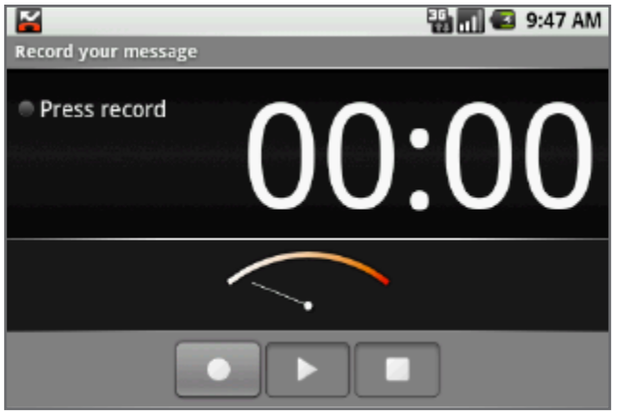
## Create and send a picture message

1. On the Messaging screen, tap **New message**. The Compose screen opens.
2. Open the keyboard, then enter the mobile phone number or email address of your message recipients in the **To** field. As you enter the phone number or email address, matching contacts will appear on the screen. Tap a recipient or continue entering your recipient's phone number or email address.
3. Press MENU and tap **Add subject**. Enter your message subject using the keyboard.
4. Roll the TRACKBALL down to select the text box, then enter your message. As you type, you'll be able to track how many characters or messages you have created.
5. Press MENU and tap **Attach**. On the options window, select from the following file attachments:
   - **Pictures**. The Pictures application opens when you tap this option. Tap a picture in the album to attach it to your message.
   - **Camera**. Tap this option to open the Camera and take a picture. After taking a picture, tap **Select this picture** to attach it to your message.

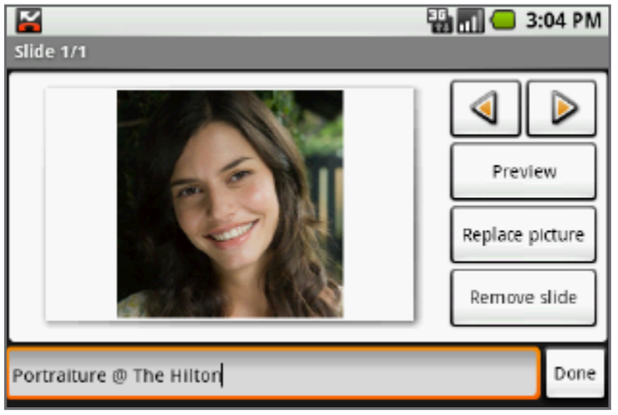



   - **Audio**. Tap to open the **Select audio** menu. Tap an audio file to select, then tap **OK** to attach the file to the message.

- **Record audio**. Tap to attach a voice recording. When you tap this option the message recorder screen opens. Tap ● to start recording your message, then tap ■ to stop. To listen to your recording, tap ▶. Tap **Use this recording** to attach the recording to your message.




- **Slideshow**. Tap to open the Edit slideshow screen. Tap **Add slide** to create a new slideshow, then tap the created slideshow (for example, **Slide 1**). On the Slide screen, tap **Add picture**, then select the picture you want to add to the slideshow. When finished, tap **Done** to attach the slideshow to your message.




**Tip** To remove or replace a message attachment, on the Compose screen, tap the **Remove** or **Replace** button beside the attachment.

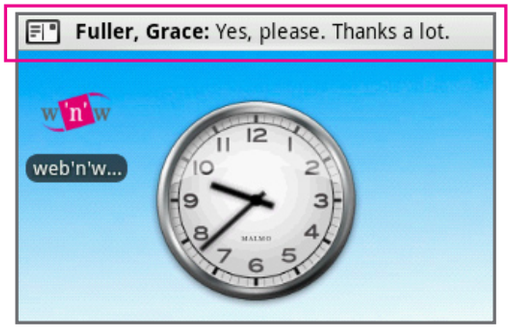
6. When done, tap **Send** or press ↵ to send the picture message. The send progress is displayed at the right side of the message in the message list.

**Note** To receive delivery reports and know when a picture message is received, in the message list, press MENU, then tap **Settings**. Below the MMS settings section, select the **Delivery reports** check box.

## Save a message as a draft

While composing a text or picture message, press the BACK button ( ) to automatically save your message as a draft. To resume composing the message, in the message list, tap and hold the draft message, and tap **View**. Continue editing the message then tap **Send** or press to send it.

## Manage text and picture message threads




Depending on your notification settings, the phone plays a ring tone, vibrates, or displays the message briefly in the Status bar when you receive a new text or picture message.

A new message icon ( ) also appears in the notifications area of the Status bar to notify you of a new text or picture message.

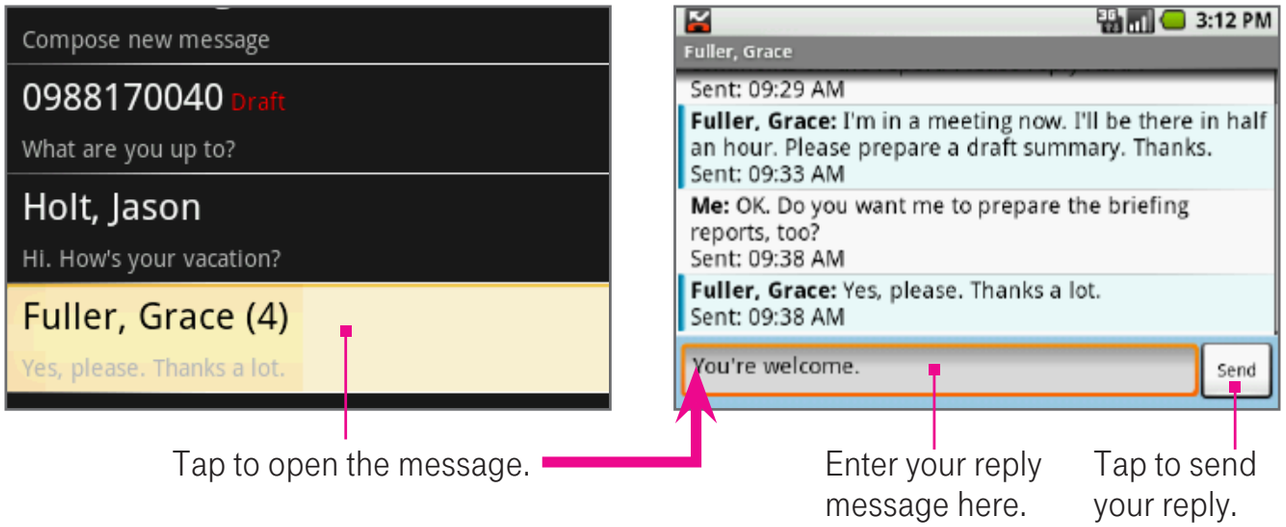
Text and picture messages that are sent to and received from a contact (or a number) are grouped into conversations or message threads. Threaded text or picture messages let you see exchanged messages (similar to a chat program) with a contact on the screen. Message threads are listed in order of when you received them, with the latest message on top.

### To open the message

- Tap and hold the notifications area of the Status bar, then slide it down to open the notifications panel. Tap the new message to view it.
- While in the message list, tap a text or picture message thread to open.
  To return to the message list from a text or picture message thread, press MENU, then tap **All threads**.

### To reply to a text or picture message in a thread

1. In the message list, tap a text or picture message thread to open it.
2. Navigate to the text box at bottom of the screen, enter your reply, and then tap **Send** or press ↵.


Compose new message
0988170040 Draft
What are you up to?
Holt, Jason
Hi. How's your vacation?
Fuller, Grace (4)
Yes, please. Thanks a lot.
3:12 PM
Fuller, Grace
Sent: 09:29 AM
Fuller, Grace: I'm in a meeting now. I'll be there in half an hour. Please prepare a draft summary. Thanks.
Sent: 09:33 AM
Me: OK. Do you want me to prepare the briefing reports, too?
Sent: 09:38 AM
Fuller, Grace: Yes, please. Thanks a lot.
Sent: 09:38 AM
You're welcome.
Send
Tap to open the message.
Enter your reply message here.
Tap to send your reply.

**Tip** To reply a text message with a picture message, press MENU, then tap **Add subject**, or **Attach**. The message is automatically converted into a picture message.

### To delete a text or picture message thread

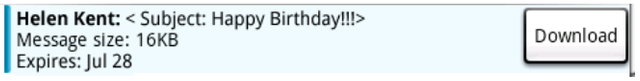
1. In the message list, tap the text or picture message thread that you want to delete.
2. Do any of the following:
   - To delete the entire thread, press MENU, then tap **Delete thread**. When prompted to delete the entire thread, tap **OK**.
   - To delete a message in a thread, tap and hold the message that you want to delete, tap **Delete message** on the options menu, then tap **OK**.
3. To delete all message threads, press BACK to return to the message list, press MENU, then tap **Delete threads**.

### To view picture messages

1. In the message list, tap a picture message thread to open it.
2. Tap **Play** to view the picture message.

**Notes**

- When **Auto-retrieve** in the MMS settings is disabled, only the message header is downloaded. To download the entire message, tap **Download**.




  Once the message has downloaded, tap **Play** to view the message. For details, see "Adjusting text and picture message settings" later in this chapter.
- If you are concerned about the size of your data downloads, check the picture message size before you download it.

## Work with the message list and threads

You can do the following while in the message list or inside a message thread:

| | |
|---|---|
| **Links in messages** | If a message contains a link to a web page, tap the link to open the Browser and view the web page. If the message contains a phone number you want to save in your contacts, tap the phone number to open the **Dialer** tab, press MENU, then tap **Add to contacts** |
| **Delivery problems** | A delivery problem occurred if a message you sent appears with this icon . Tap and hold the message, then tap **View** to edit, retry sending, or delete the message. |
| **Undelivered messages** | If you have at least one undelivered message, in the message list, press MENU and tap **Undelivered messages** to display all your undelivered messages. |

| | |
|---|---|
| **View message details** | You can view the details of a particular message. In the message thread, tap and hold the message to open the options menu, then tap **View message details**. |
| **View message delivery report** | If a message contains a delivery report (you would have enabled **Delivery report** in the SMS/MMS settings) you can read it in the message thread. Tap and hold the message in the thread with the delivery report icon ( ), then tap **View report** on the options menu. For more information on how to receive delivery reports, see the next section. |

## Adjust text and picture message settings

To adjust the text or picture message settings, in the message list, press MENU and tap **Settings**. You can set the following options:

### SMS settings

| | |
|---|---|
| **Delivery reports** | Select this option to receive a report on the delivery status of your text message. |
| **Manage SIM card messages** | Select this setting to view messages on your SIM card, delete them, or copy them to your phone memory. |

### MMS settings

| | |
|---|---|
| **Delivery reports** | Select this option to receive a report on the delivery status of your picture message. |
| **Read reports** | Select this option if you want to receive a report whether each recipient has read or deleted the message without reading it. |

| | |
|---|---|
| **Auto-retrieve** | Select this option to retrieve all your MMS messages automatically (the header plus the message will download to your phone). If you clear this check box, only the message headers will be retrieved and shown in your message list. You can retrieve the full message by tapping the **Download** button in the message header. Once the message has downloaded, tap the **Play** button to view the message. |
| **Roaming auto-retrieve** | If you want the message headers to download while roaming, clear this option. Otherwise, you can select this check box to have your picture messages download even while roaming. |

## Notification settings

| | |
|---|---|
| **Notifications** | Select this option to receive a notification (for text or picture message) in the Status bar when a new message arrives. |
| **Select ringtone** | If you want the phone to ring when a new message arrives, tap this option, then select a ring tone that is specific to new text and picture messages. Note that the ring tone briefly plays when selected. |
| **Vibrate** | Select this option if you want the phone to vibrate when a new message arrives. |

# 6.2 Types of Email Accounts

You can set up the following types of email accounts on your phone:

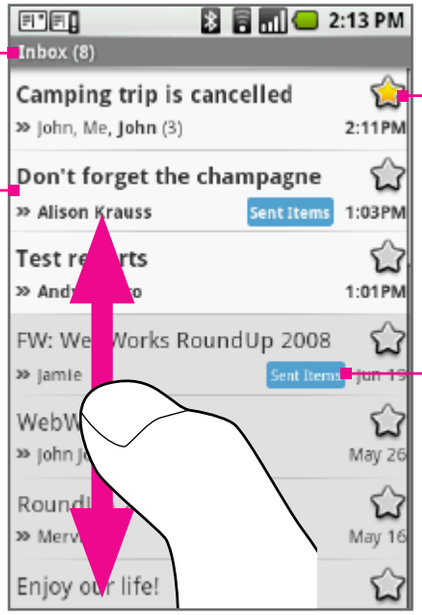
- **Google Mail**
- **External POP3 or IMAP email accounts** such as Yahoo!® Mail, AOL, and more.

# 6.3 Google Mail

**Google Mail** groups each message you send with all the responses you receive. This conversation list continues to grow as new replies arrive, so you can always see your messages in context. Conversations are also referred to as message threads. A new message or a change to the subject of a current message will begin a new thread.

### To open Google Mail

Press HOME, tap the **Applications** tab, then tap **Google Mail**. The Inbox conversations list appears. The Inbox is your default Google Mail view. All emails which you fetch to your phone is delivered to your Inbox.




Label (folder) and number of unread email messages

Unread messages display in bold

Starred message. See “To label emails with a start” in this chapter.

Labels appear in a colored rectangle to the left of the date when you labeled the message. See “Label your emails” in this chapter.

To scroll through the message list:

- Slide your finger up/down on the screen.
- Roll the TRACKBALL up/down.

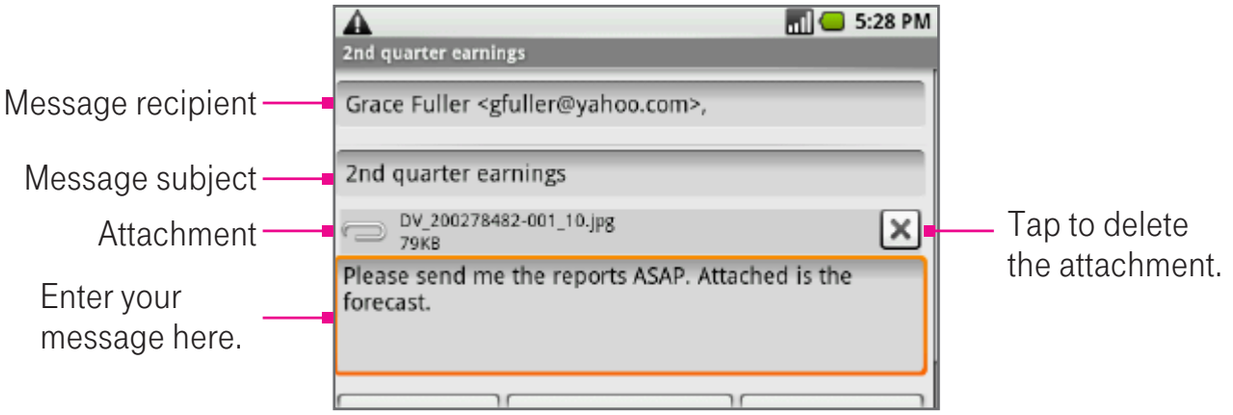
## Create and send emails

### To create and send an email

1. In the conversations list, press MENU, then tap **Compose**.
2. Open the keyboard, then enter the message recipients by typing a name or an email address in the **To** field. As you enter email addresses, matching contacts will appear on the screen. Select the recipient or continue entering the email address. You can add as many message recipients as you want.

> **Note** If you want to send a carbon copy (Cc) or a blind carbon copy (Bcc) of the email message to other recipients, press MENU and tap **Add Cc/Bcc**. Enter the message recipients in the **Cc** or **Bcc** fields, as desired.

3. Enter the email subject and compose your message.
4. If you want to add a picture attachment, press MENU and tap **Attach**. Select the picture you want to attach, then tap **OK**. To remove the attachment, tap ✕ opposite the file name.




5. Tap **Send**, or press MENU and tap **Send**.

> **Note** Tap **Save as draft** or press the BACK button to save the message as a draft. To view your draft email messages, in the Inbox conversations list, press MENU, then tap **View labels > Drafts**.

### To add a signature to messages

You can add a signature to every email message you send.

1. In the conversation list, press MENU and tap **Settings**.
2. Tap **Signature**.
3. Enter your signature in the text box, then tap **OK**.

### To reply to or forward an email message

1. With a message highlighted or open for reading, scroll down to the end of the conversation.

Message options. Tap to reply, reply to all, or forward the message.
1:05 PM
Camping trip is cancelled
Camping trip is cancelled
Inbox
John John
To: Jim.connors1@gmail.com
12:58PM
Hi Jim. Just want to inform you that our camping trip this weekend has been cancelled due to bad weather. Will inform you of any developments. Tracy said bowling is an option.
John
Get thousands of games on your PC, your mobile phone, and the web with Windows®.
Game with Windows
Reply
Reply to all
Forward
Archive
Labels
Delete
Thread options. Tap to archive, label, or delete the entire message thread.

2. Tap **Reply**, **Reply to all**, or **Forward**.

> **Note** Make sure that you made the correct reply or forward selection before you proceed.

3. Enter your reply message, then tap **Send**.

## Receive and read emails

Depending on your notification settings, the phone plays a ring tone, vibrates, or displays the email message briefly in the Status bar when you receive a new email. A new email message ( @ ) icon also appears on the notifications area of the Status bar to notify you of a new email message. For more information on email notification settings, refer to the “Set new email notifications” section later in this chapter.

### To open the email message

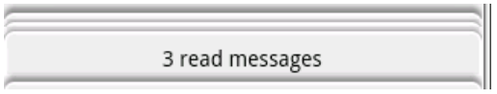
Do any of the following:

- Tap and hold the notifications area of the Status bar, then slide it down to open the notifications panel. Tap the new email message to view it.
- While in the Google Mail Inbox, tap a conversation to open it.

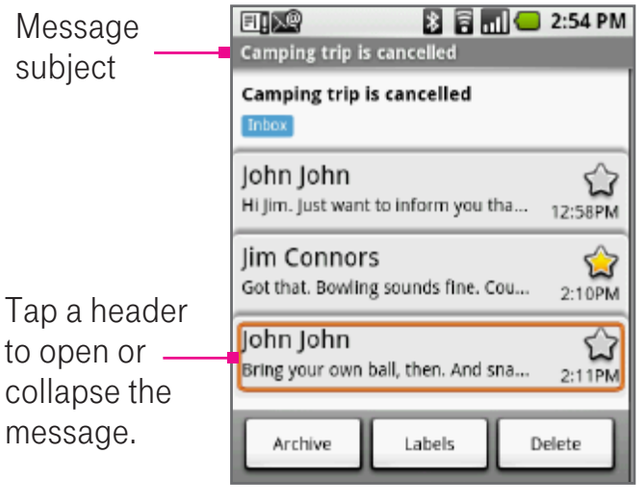
### To open or collapse messages

When you open a conversation for reading, the subject will appear in a box at the top of the screen and the latest message will appear at the bottom of the thread.

- All read messages are collapsed.
  To expand all read message headers, tap the **X read messages** header.




- When the read messages are expanded, their individual headers display.
  Tap the header to open or collapse the message body.



### To mark a conversation as spam, read, or unread

1. In the conversations list, tap and hold the conversation to open the options menu.
2. Do any of the following:
   - Tap **Report spam**.
   - Tap **Mark read** or **Mark unread** as appropriate. Unread messages display in bold.

### To archive a conversation

In the conversations list, tap and hold the conversation, then tap **Archive** on the options menu.

**Tip** To view your archived messages, in the Inbox conversations list, press MENU, then tap **View labels > All mails**.

## Label your emails

Organise your emails by labeling your conversations or individual messages. You can also filter the conversation list to show only conversations with a specific label. You can create as many labels and apply as many labels to a conversation as you want.

### To label emails with a star

A **star** ( ) is a special system-provided label. Use stars to mark important conversations. Other system labels include **Inbox**, **Sent**, **Outbox**, **Drafts**, and **All Mail**. You can star an entire conversation or just a message inside a conversation.

Do any of the following in a conversations list:

- Tap and hold a conversation, then tap **Add star**. If the thread is already starred and you want to remove it, tap and hold the conversation, then tap **Remove star**.
- Tap a conversation to open it for reading. Tap the message header to expand the message, then tap the star to label the message. To remove the star label, tap the star again.

### To change or remove a conversation label

1. In the conversations list, tap and hold a conversation, then select **Change labels** on the menu.
2. The Labels menu appears. Labels already applied are marked with ; unapplied labels are marked with .
3. Tap the label to either apply it or to remove it from the conversation, then tap **OK** to return to the conversations list.

### To filter conversations by label

1. In the conversations list, press MENU and tap **View labels**.
2. Tap the label of the conversations you want to view. The conversations list is filtered to show only messages with the label you selected.

> **Note** You can also select which conversations to view in Sent, Outbox, Drafts, and All Mail folders.

3. Press BACK to return to the Inbox.

### To select labels to synchronise

You can select which messages to synchronise based on the labels you have assigned to them. Limiting the amount of email that is regularly synchronised will cut down on network data exchange.

1. In a conversations list, press MENU and tap **Settings**.
2. Tap **Labels** to open the labels screen. In addition to the labels you have created, all the system labels (**Inbox**, **Starred**, **Chats**, **Sent**, **Spam**, and **Trash**) are listed.
3. Tap a label to cycle through the following sync options: **Sync recent**, **Sync all**, or **Never** (no sync option displays).

**Note** For information on how to turn Inbox synchronisation on or off, see "Control Application Synchronisation" in Chapter 4.

## Search for email messages

You can search for a specific email message by sender, word in a subject, or label.

1. In a conversations list, press MENU and tap **Search**.
2. Enter the search word in the box, then tap **Search**.

## Set new email notifications

You can receive a notification each time you receive a new email message:

1. In a conversations list, press MENU and tap **Settings**.
2. Do any of the following:
   - Select the **Email notifications** check box to receive a notification in the Status bar when a new email message arrives.
   - Tap **Select ringtone** if you want your phone to ring when a new email message arrives. On the ring tone menu, select a ring tone specific to new

email messages. The ring tone plays briefly when selected. If you don't want a ring tone to play when you receive a new email message, tap **Silent**.

- Select the **Vibrate** check box if you want your phone to vibrate when you receive a new email message.

## Keyboard shortcuts in Google Mail

### Conversations list

| | |
|---|---|
| Refresh the conversations list | Press MENU + u |
| Compose a new message | Press MENU + c |
| Open conversation to read | Press ↵ |
| Archive conversation | Press MENU + y |
| Jump to the top of list | Press ALT, then roll the TRACKBALL up |
| Jump to the end of list | Press ALT, then roll the TRACKBALL down |
| Page down | Press SYM ␣ |
| Page up | Press ⇧ + SYM ␣ |

### Read message/conversation screen

| | |
|---|---|
| Reply to last message in conversation | Press MENU + r |
| Reply all to last message in conversation | Press MENU + a |
| Forward last message in conversation | Press MENU + f |
| Archive conversation | Press MENU + y |

# 6.4 External Email Accounts

The email wizard in your phone lets you send and receive messages from up to five external POP3 or IMAP email accounts from popular Web-based email providers such as Yahoo!® Mail Plus, AOL, and more.

## Add an external email account

1. Press HOME, tap the **Applications** tab, then select **Email**. The Email setup screen appears.
2. Tap **Next**.
3. Open the keyboard to enter your email address and password.

**Notes**
- If you want to use this email account for all your outgoing emails, select the **Send email from this account by default** option.
- To manually enter the email account settings, such as the email server, protocol and more, tap **Manual setup**.

4. Tap **Next**. The wizard automatically sets up your external email account.
5. After your account settings have been verified, tap **Finish** to display your email Inbox.

**Note** To add more email accounts, return to the Email setup screen, press MENU and tap **Add account**.

6. While on the account Inbox, press MENU, then tap **Refresh** to update your Inbox.

## Manage emails on your external email account

### To compose and send an email

1. On your Inbox, press MENU, then tap **Compose**.
2. Open the keyboard, then enter the message recipients by typing a name or an email address in the **To** field. As you enter email addresses, matching contacts will appear on the screen. Select the recipient or continue entering the address. You can add as many message recipients as you want.
3. Enter the subject and your message.
4. Tap **Send**.

**Note** Tap **Save as draft** or press the BACK button to save the message as a draft.

### To sort messages

1. On your Inbox, press MENU, then tap **Sort messages** to open the Sort menu.
2. Select from the following sort options:
   - **Date** (descending). Sorts your email messages by the time you received it.
   - **Subject**. Sorts your email messages by subject, in alphabetical order.
   - **Sender**. Sorts your email messages by sender, in alphabetical order.

### To delete a message

1. On your Inbox, tap a message to open it for reading.
2. Use your finger or the TRACKBALL to scroll down to the end of the message, then tap **Delete**. Your message is moved to the **Trash** folder.
3. After you moved a message to the Trash, a Trash folder will display on the accounts screen. To empty the Trash, from either the accounts or the Trash screen, press MENU and tap **Empty Trash**.

## Edit or delete an external email account

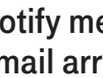
You can always edit or delete an external email account on your phone.

1. Press HOME, tap the **Applications** tab, then select **Email**. The accounts screen appears.
2. Do any of the following:
   - Tap and hold the account you want to remove, then tap **Remove account**. When prompted, tap **OK**.
   - Tap and hold the account you want to edit, then tap **Account settings**. See the next section for details

## Adjust external email account settings

You can adjust the settings for your external email accounts.

1. Press HOME, tap the **Applications** tab, then select **Email**.
2. Tap and hold an email account on the screen, then tap **Account settings**. The account information displays for editing.
3. Adjust the following settings according to your preference.

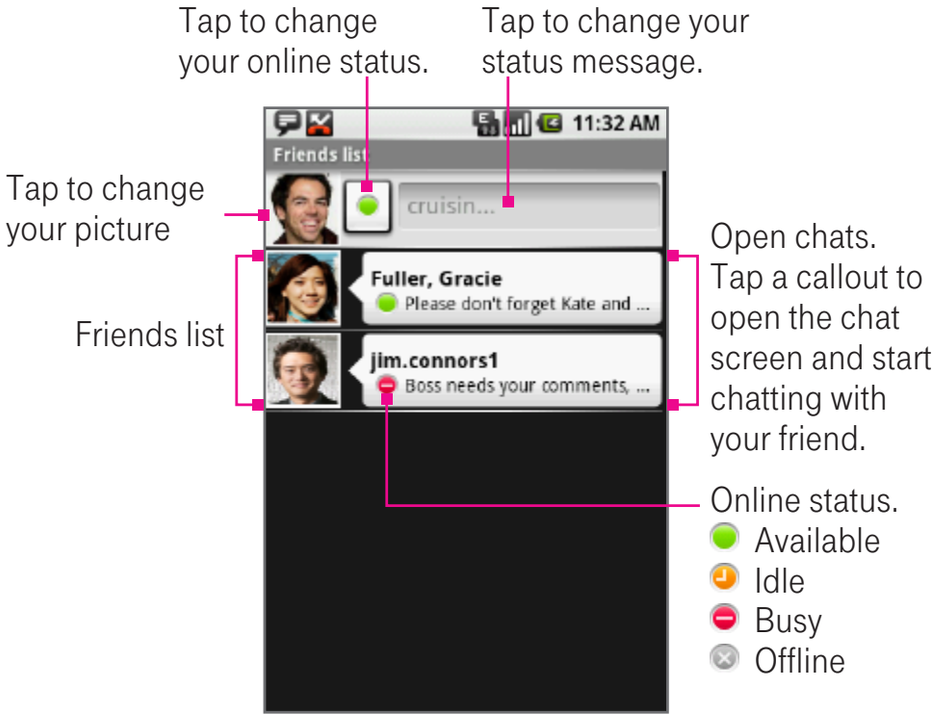
| | |
|---|---|
| **Check for new email every** | Tap the drop-down menu to set how frequently you want to check your external email account for new messages. Select **Don't check automatically** if you want to check your email manually by tapping the **Refresh** menu button. |
| **Send email from this account by default.** | Select this option if you want to use this account every time you send an email from your phone. |
| **Notify me when email arrives.** | Select this option if you want a new message icon (  ) to display in the Status bar every time a new email message arrives in your external email Inbox. |
| **Incoming server settings** | Tap to edit the account's incoming server settings such as user name and password, POP3 server, port, and more. |

| | |
|---|---|
| **Outgoing message settings** | Tap to edit the account's outgoing message settings such as the SMTP server, port, security type, and more. |
| **Add another account** | Tap to add a new external email account. You can add up to five external POP3 or IMAP email accounts. |

4. Tap **Done** to save your changes.

## 6.5 Google Talk

You can use **Google Talk** to send instant messages to your friends. All you need is a Google Mail account and you're set up. To open Google Talk, press HOME, tap the **Applications** tab, then tap **Google Talk**. Tap your Google Talk account on the screen to display your friends list. The number of open chats displays opposite the account name. You can have as many open chats as you want.



### To add a new friend

You can add a friend stored in Contacts or invite a new friend.

**Note** If you want to chat with friends using Google Talk, invite friends with existing Google Mail accounts.

1. In the friends list, press MENU and tap **Add friend**.
2. Open the keyboard, then enter the instant messaging ID or email address of the contact.

   **Note** When adding a friend with an instant messaging ID and saved in your contacts list, matching contacts will display on the screen as you enter information. For details on how to add IM information to a contact, see “Contacts” in Chapter 5.

3. Tap **Send invitation**.

### To view your invites and accept an invitation

1. In the friends list, press MENU and tap **Invites**. All chat invitations you have sent or received are listed on the pending invitations screen.
2. Tap a pending invitation, then tap **Accept** or **Decline**.

**Note** When someone you invite to chat accepts your invitation, the pending invitation disappears from the list.

### To change your status

You can change your online status and customise your status message.

- To change your online status, tap the online status icon beside your name, then select the status you want on the menu.

- To customise your status message, tap the text box on the right of your online status icon, enter your status message, then press ↵.

## Manage your friends

Friends are sorted first by their online status — active chats, online, busy, and offline. Within the status groupings, friends are arranged in alphabetical order.

By default, only the friends that you most often communicate with — the most popular — are in the friends list. If you want to display all your friends, press MENU and tap **All friends**. To switch back to the most popular friends view, press MENU and tap **Most popular**.

### To find a friend in the list

In the friends list, start entering the name of your friend to filter your list to show only friends with names that match what you have entered.

### To block a friend

You can block a friend from sending you messages. When blocked, your friend is also removed in your friends list.

1. In the friends list, tap and hold the friend's name to open the options menu.
2. Tap **Block friend**. Your friend is removed from your friends list and is added to the blocked friends list.

**Note** To unblock a friend, in the friends list, press MENU and tap **Blocked**. Tap the name of the friend you want to unblock, then tap **OK** when prompted.

### To pin a friend

Pin a friend to make sure that friend always appears in your most popular friends list.

1. In the friends list, tap and hold the friend's name to open the options menu.
2. Tap **Pin friend**.

**Note** To unpin a friend, in the friends list, tap and hold the friend you want to unpin, then tap **Unpin friend** on the menu.

### To show a friend in the most popular list

1. In the friends list, tap and hold the friend's name to open the options menu.
2. Tap **Show friend**.

**Note** To keep a friend from appearing in the most popular list, tap and hold the friend's name, then tap **Hide friend** on the menu.

## Mobile indicators

In the friends list, check the icon that appears to the far right of your friend's name. This icon ( ) indicates that your friend signed in from an Android phone, while this icon ( ) indicates that your friend signed in from a mobile phone.

When you don't see an icon, it indicates that your friend signed in last from a computer.

You can also select to display what type of mobile device you are using in other's friends list. To do this:

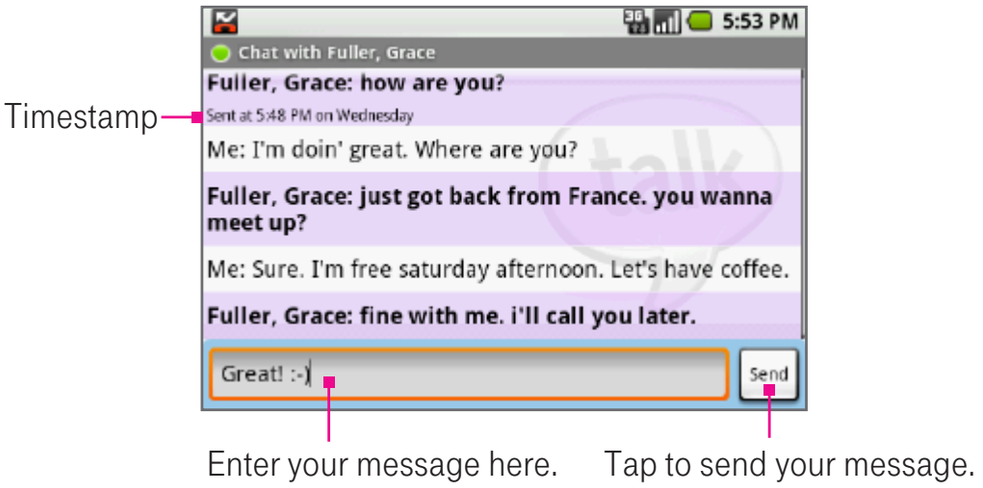
1. In the friends list, press MENU, and tap **More > Settings**.
2. Select the **Mobile indicator** option, then press BACK.

The mobile indicator icon will display alongside your name in other's friends list and will let them know what type of mobile device you are using. Refer to the indicator icons above.

## Chat with friends

1. To start a chat, tap a friend in the friends list, or highlight the friend using the TRACKBALL, then press ↵. The chat screen opens.

Chat screen


5:53 PM
Chat with Fuller, Grace
Fuller, Grace: how are you?
Sent at 5:48 PM on Wednesday
Me: I'm doin' great. Where are you?
Fuller, Grace: just got back from France. you wanna meet up?
Me: Sure. I'm free saturday afternoon. Let's have coffee.
Fuller, Grace: fine with me. i'll call you later.
Great! :-)
Send
Timestamp
Enter your message here.
Tap to send your message.

2. Type your message using the keyboard.
3. To insert a smiley, press MENU and tap **Insert smiley**. Tap a smiley to insert it into your message.
4. When finished, tap **Send** or press ↵.

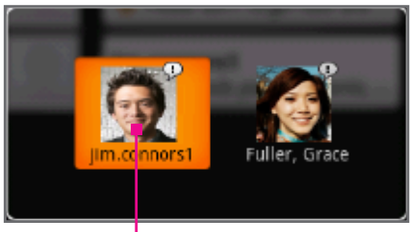
**Note** A timestamp appears in the chat window after every minute of inactivity.

### To view active chats

Friends who are actively chatting with you are indicated in the friends list. Tap an active chat to open the chat screen. See "Chat with friends" in this chapter for details.

### To switch between active chats

If you have more than one chat going, you can switch between them by pressing MENU and tapping **Switch chats** while on a chat screen or in the friends list. On the panel that opens, tap the chat you want to join.




Tap to switch chat with this friend.

### To close a chat

Do any of the following:

- In your friends list, tap and hold a friend with an active chat to open the options menu, then tap **End chat**.
- While inside a chat screen, press MENU, then tap **Close chat**.

### To start a group chat

You can invite more friends to chat from an existing chat screen.

1. While on a chat, press MENU and tap **Add friend to chat**.
2. Tap the additional friend to invite.
   When the additional friend joins, a group chat notification appears on the chat screen for all participants to see.

### To close a group chat

To close the group chat, press MENU and tap **Close chat**. The screen returns to your friends list.

### To sign out

In the friends list, press MENU and tap **More > Sign out**.

## Adjust instant messaging settings

### To set the notification for new instant messages

You can set the device to play a sound, vibrate, or display a notification icon in the Status bar each time you receive a new instant message.

1. In the friends list, press MENU and tap **More > Settings**.
2. Do one or all of the following:
   - Select the **IM notifications** check box to receive a notification ( ) in the Status bar when a new instant message arrives.
   - If you want your phone to ring when a new instant message arrives, tap **Select ringtone**. On the ring tone menu, tap the ring tone to use. The ring tone briefly plays when selected. If you don't want a ring tone to play when you receive a new instant message, select **Silent**.
   - If you want your phone to vibrate when you receive a new message, select the **Vibrate** check box.

### To sign in automatically

You can sign in to your Google Talk account automatically every time you turn on your phone.

1. In the friends list, press MENU and tap More > Settings.
2. Select the **Automatically sign in** check box.
3. Press BACK to save your setting.

# Chapter 7 Getting Connected

## 7.1 Ways of Connecting to the Internet

Your T-Mobile G1's networking capabilities allow you to access the Internet through one of the following connections:

- GPRS, 3G or EDGE
- Wi-Fi

### GPRS/3G

GPRS/3G settings are already preconfigured on your T-Mobile G1 and your phone is ready to use T-Mobile's GPRS/3G services.

**Note** You cannot change the T-Mobile GPRS/3G settings.

### Wi-Fi

Wi-Fi provides wireless Internet access over distances of up to 300 feet (100 metres). To use Wi-Fi on your T-Mobile G1, you need access to a wireless access point or "hotspot".

**Note** The availability and range of the Wi-Fi signal depends on the number, infrastructure, and other objects through which the signal passes.

### To turn Wi-Fi on

1. On the Home screen, press MENU, then tap **Settings > Wireless controls**.
2. Select the **Wi-Fi** check box to turn Wi-Fi on. The phone will scan available wireless networks.

**Note** Clear the **Wi-Fi** check box to turn Wi-Fi off.

### To connect to a wireless network

After you turned Wi-Fi on, your T-Mobile G1 scans for available wireless networks in your area.

1. On the Wireless controls screen, tap **Wi-Fi settings**. The network names and security settings (Open or WEP) of detected wireless networks are displayed below the Wi-Fi networks section. Tap the desired wireless network to connect.

   **Note** When you select an **Open** (unsecured) network, you will be automatically connected to the network. You do not need to do step 2.

2. Enter the WEP (security) key and then tap **Connect**.

Next time you use your T-Mobile G1 to detect wireless networks, you will not be prompted to enter the network key of the previously accessed secured wireless network (unless you reset your T-Mobile G1 to its factory default settings which will erase all custom settings on your phone).

**Note** Wi-Fi networks are self-discoverable, which means no additional steps are required for your T-Mobile G1 to connect to a Wi-Fi network. It may be necessary to provide a username and password for certain closed wireless networks.

### To check the wireless network status

You can check the current wireless connection status from any of the following screens of your T-Mobile G1:

- **Status bar**

  When your phone is connected to a wireless network, the Wi-Fi icon ( ) appears in the Status bar and tells you the signal strength (number of bands).

- **Wi-Fi networks**

  On the Wireless controls screen, tap **Wi-Fi settings**, then tap the wireless network where the phone is currently connected.

  The wireless network name, status, speed, signal strength, security, and IP configuration are displayed.

**Note** If you want to remove the wireless network settings on your phone, tap **Forget**. You need to enter the settings again when you connect to this wireless network.

### To connect to another wireless network

On the Wireless controls screen, tap **Wi-Fi settings**. The network names and security settings of available wireless networks are displayed below the Wi-Fi networks section. Tap another wireless network to connect.

**Tip** To manually scan for available wireless networks, on the Wi-Fi settings screen, press MENU, then tap **Scan**.

**Note** If the wireless network you want to connect to is not in the list, scroll down the screen, then tap **Add a Wi-Fi network**. Enter the wireless network settings, then tap **Save**.

## 7.2 web'n'walk

On the Home screen, tap **web'n'walk** to go directly to the T-Mobile home page. You can use this as your starting point to surf the web.

You can also open **web'n'walk** by tapping the **Applications** tab on the Home screen and tapping .

**Note** For more information on how to use Browser, see the next section.

# 7.3 Browser

Open **Browser** to start surfing the web.

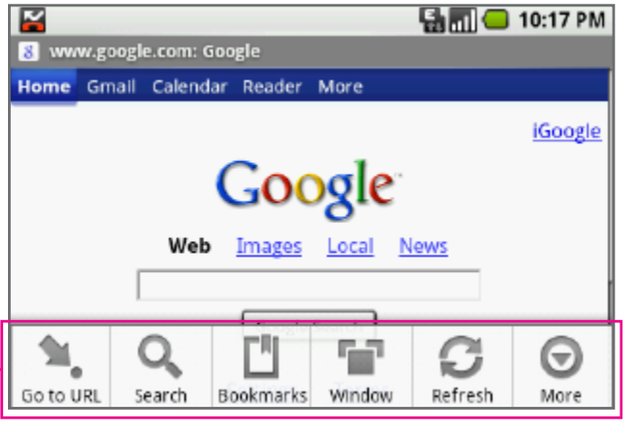
**Note** You must have an active data (3G, GPRS), or wireless (Wi-Fi) network connection to access the Internet.

### To open Browser

On the Home screen, tap **Browser**. The Browser opens to the Google home page.

## Using Browser

On the Browser screen, open the keyboard, then press MENU to go to another web page, search information, bookmark the page, switch to another opened web page, and more.




Browser menu

### To go to a web page

1. Press MENU, then tap **Go to URL**.
2. Enter the web page address using the keyboard. As you enter the address, matching web page addresses will appear on the screen. Tap an address to go directly to that web page or continue entering the web page address.
3. Tap **Go** or press ↵.

**Tip** You can also enter the web page address directly on the Browser screen. Make sure that the cursor or selection is not on a text box within the web page, then start entering the web page address.

### To search information

1. Press MENU, then tap **Search**.
2. Open the keyboard, then enter the information you want to search.
3. Tap **Search** or press ↵.

### To bookmark the web site you are viewing

1. Press MENU, then tap **Bookmarks**.
2. Tap **New bookmark**.
3. Enter a name for the bookmarked page, then tap **OK**.

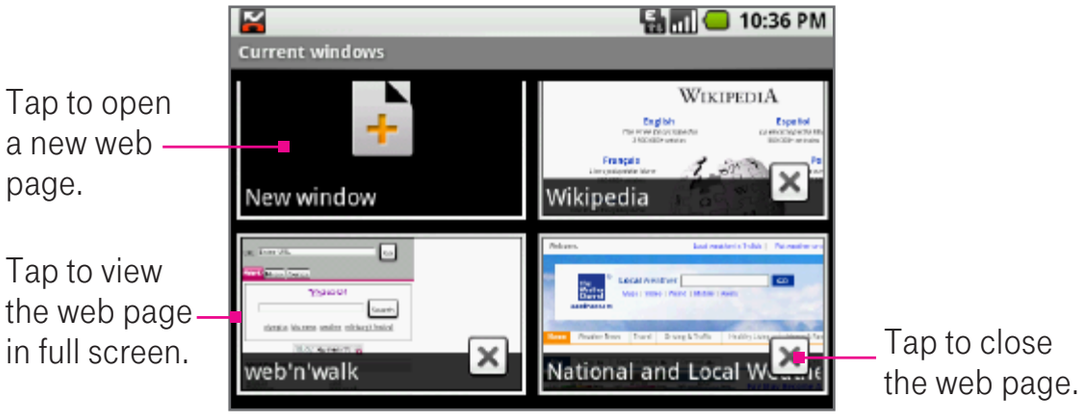
**Tips**

- You can also bookmark a link inside a web page. To bookmark a link, highlight it using the TRACKBALL, press and hold the TRACKBALL, then tap **Bookmark link**. Enter a name for the bookmarked link, then tap **OK**.
- To learn more about bookmarks, see “Managing bookmarks” later in this chapter.

### To open and view multiple web pages

You can keep more than one web page open by using multiple windows to display the pages. You can open up to eight web page windows.

1. While viewing a web page, press MENU, then tap **Go to URL**.
2. Enter the new web site address, then tap **Go** or press ↵. The web site you are currently viewing minimises and the new web site opens.
3. Repeat steps 1 and 2 to open more web pages.
4. To view all opened web pages, press MENU, then tap **Window**.




**Tip** When you have opened several web pages, you can scroll your finger up on the windows screen or roll the TRACKBALL down to view more windows.

5. Press BACK to return to the previous web page you are viewing.

### To set your home page

You can set the home page so Browser opens to your favourite web page every time it is launched.

1. Go to the web page that you want to set as your home page.
2. Press MENU, then tap **More > Settings**. The settings screen opens.
3. Scroll down the screen, then tap **Set home page**.

**Note** If you want to set another web page as your home page, replace the web page address in the dialogue box.

4. Tap **OK**.

**Tip** While on any web page, press MENU + SYM to go to your home page.

## View web pages

While viewing a web page, take advantage of the following zoom and navigation controls.

### To zoom in or out on a web page

Touch the screen to open the zoom control tab.

**Tip** You can also open the zoom controls by pressing MENU, and tapping **More > Zoom**.

### To navigate on a web page

You can roll the TRACKBALL or slide your finger on the screen in any direction to navigate and view other areas of the web page. You can also use the **scale and scroll** feature. To use scale and scroll:

1. Double-tap the screen or press the TRACKBALL twice to open the **magnifying window**. The web page zooms out to fit the height of the screen.
2. Tap and hold the magnifying window, then drag it to the area of the page that you want to view more closely.

You can also roll the TRACKBALL to move the magnifying window.

3. Release your finger or press the TRACKBALL to magnify the view.

### To open web pages in landscape orientation

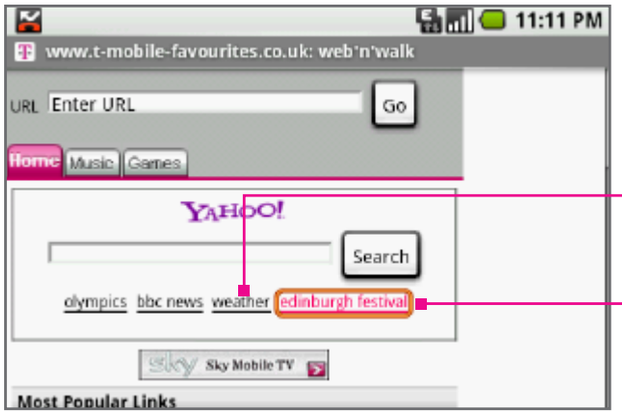
You can set the screen to stay in landscape orientation when viewing web pages even when you close the keyboard.

While the screen is in portrait orientation, press MENU and tap **More > Flip orientation**. The screen orientation is set to landscape.

## Manage links, history, and downloads

### Links in web pages

Navigate the links on a page using the TRACKBALL. Links are enclosed in an orange box when highlighted. To go to a link, highlight it using the TRACKBALL. To open the link, press the TRACKBALL or tap the link with your finger.




| Link | What to do |
|---|---|
| **Web page address (URL)** | ▪ Tap the link to open the web page.<br>▪ Tap and hold the link to open the options menu that allows you to open, bookmark, copy to the clipboard, or share the link via email. |
| **Phone numbers** | Tap to open the Dialer and call the number or save the number to your contacts list. |
| **Email addresses** | ▪ Tap to send an email. The email compose screen opens with the email address already added in the **To** field. Compose the message and send.<br>▪ Tap and hold to open the options menu, then tap **Copy** to copy the email address to the clipboard. You can paste the email address later when creating a new contact or sending a new email message. |

**Tip** When links are too small for tapping directly on the screen, highlight it with the TRACKBALL, then either press the TRACKBALL to open the link, or press and hold the TRACKBALL to select a link option.

### Browser history

The history screen lists the last 250 web sites you have visited. To open a web page from your web browsing history:

1. Do any of the following:
   - On the Browser screen, press MENU and tap **More > History**.
   - Press **MENU + h**.
2. Tap a web site in the list to go to that site.

### Download web applications

Before you download web applications, you must first enable downloading from the phone settings.

1. Press HOME > MENU, then tap **Settings**.
2. Scroll down the screen, then tap **Applications**.
3. Select the **Unknown sources** check box.
4. When the Attention window opens, tap **OK**.

You can now download phone applications from the web.

**Note** All downloaded applications are saved onto the memory card. Before you download a web application, make sure that you have installed a memory card on your phone. See Chapter 1 for details.

**Warning!** Applications downloaded from the web can be from unknown sources. To protect your phone and personal data, download applications only from trusted sources such as the Android Market. See “Android Market” in Chapter 11 for details.

### View your downloads

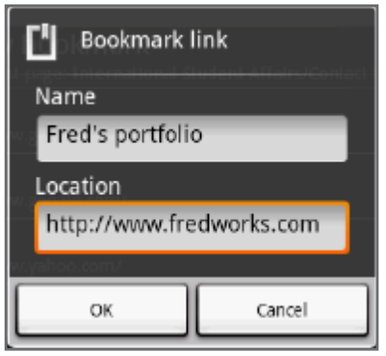
To view applications that you have downloaded, open Browser, press MENU and tap **More > Downloads**. The Download history screen appears with the list of downloads. If you have no downloads, nothing will be shown on this screen.

## Manage bookmarks

You can store as many bookmarks as you want on your phone. Manage your bookmarks while in the Browser application.

### To bookmark any web page

1. While viewing a web page, press MENU and tap **Bookmarks**. The bookmarks screen opens.
2. Tap **New bookmark**.
3. Enter the bookmark **Name** and **Location** (URL) in the dialogue box, then tap **OK**.




### To send a bookmark's web page address

1. In Browser, press MENU and tap **Bookmarks**.
2. Tap and hold the bookmark you want to send.
3. When the options menu opens, tap **Share link**. The email compose screen opens with the web page address as the message.

> **Tip** If you want to copy the bookmark's URL and paste it later on another application, tap **Copy link URL** on the options menu.

4. Specify the email recipients and subject, then compose your message.
5. Tap **Send** or press ↵.

### To open a bookmark

1. In Browser, press MENU and tap **Bookmarks**.
2. Do any of the following:
   - Tap the bookmark you want to open.
   - Tap and hold the bookmark you want to open, then tap **Open** or **Open in new window** on the options menu.

### To edit bookmarks

1. In Browser, press MENU and tap **Bookmarks**.
2. Tap and hold the bookmark you want to edit.
3. Tap **Edit bookmark** on the options menu. The edit bookmark dialogue box appears.
4. Enter your changes and tap **OK**.

### To delete bookmarks

1. In Browser, press MENU and tap **Bookmarks**.
2. Tap and hold the bookmark you want to delete, then tap **Delete bookmark** on the options menu. When prompted to confirm, tap **OK**.

## Adjust the Browser settings

On the Browser screen, press MENU and tap **More > Settings** to set the Browser preferences.

### Page content settings

| | |
|---|---|
| **Text size** | Tap to open the Text size menu where you can set the text to **Tiny**, **Small**, **Normal** (default), **Large**, or **Huge**.<br>Note that the selected text size applies only on text of web pages viewed using Browser. |
| **Block pop-up windows** | Select this option if you want Browser to block all pop-up windows. |

| | |
|---|---|
| **Load images** | Select this option if you want images on web pages to load. Clear this option for faster page loading. |
| **Auto-fit pages** | Select this option if you want to format web pages to fit the phone screen. |
| **Enable JavaScript** | Select to enable JavaScript on web pages. Some web pages may not work properly when JavaScript is disabled. |
| **Open in background** | Select this option if you want to open links in new pages or in a new window in the background. |
| **Set home page** | Your current home page is shown. To change your home page, tap this option, enter the web page address of your new home page, then tap **OK**. |

## Privacy settings

| | |
|---|---|
| **Clear cache** | Clears all cached page contents. |
| **Clear history** | Clears the Browser navigation history. |
| **Accept cookies** | Select this option if you want Browser to save cookies. Some web sites might not work properly with cookies disabled. |
| **Clear all cookie data** | Clears all the browser cookies. |
| **Remember form data** | Select this option if you want Browser to remember text you have entered in forms, so that you can select the same text later rather than entering it again. |
| **Clear form data** | Clears all saved form data. |

## Security settings

| | |
|---|---|
| **Remember passwords** | Select this check box to save user names and passwords to various web sites. |
| **Clear passwords** | Clears all saved user names and passwords. |

| | |
|---|---|
| **Show security warnings** | Select this option if you want a warning to be displayed when you are accessing an unsecured web site. |

### Advanced settings

| | |
|---|---|
| **Enable Gears** | Select this option to enable Gears. Gears is an open source project that extends the Browser's functionality. |
| **Gears settings** | Tap to open the Gears Settings window. |
| **Reset to default** | Tap to clear all Browser data and reset all Browser settings to factory default values, except your home page. |

## Keyboard shortcuts in Browser

### Browser screen

| | |
|---|---|
| Go to a new web page | Press MENU + l |
| Open bookmarked pages | Press MENU + b |
| Open web page windows | Press MENU + t |
| View browsing history | Press MENU + h |
| Refresh or stop page | Press MENU + r |
| Return to the previous page | Press MENU + j |
| Move forward to the next page | Press MENU + k |
| Go to the home page | Press MENU + SYM ␣ |
| Zoom in | Press MENU + i |
| Zoom out | Press MENU + o |
| Page down | Press SYM ␣ |
| Page up | Press ⇧ + SYM ␣ |

# 7.4 Bluetooth

Bluetooth is a short-range wireless communications technology. Devices with Bluetooth capabilities can exchange information over a distance of about eight metres without requiring a physical connection. You can connect your phone to a Bluetooth hands-free headset or a Bluetooth car kit to use those devices to send and/or receive calls.

Bluetooth on your T-Mobile G1 operates in three different modes:

- **On**. Bluetooth is turned on. Your T-Mobile G1 can detect other Bluetooth-enabled devices, but not vice versa.
- **Discoverable (Visible)**. Bluetooth is turned on, and all other Bluetooth-enabled devices can detect your T-Mobile G1.
- **Off**. Bluetooth is turned off. In this mode, you can neither send nor receive information using Bluetooth.

**Notes**

- By default, Bluetooth is turned off. If you turn it on, then turn off your T-Mobile G1, Bluetooth also turns off. When you turn on your T-Mobile G1 again, Bluetooth automatically turns on.
- Turn off Bluetooth when not in use to conserve battery power, or in places where using a wireless phone is prohibited, such as on board an aircraft and in hospitals.

**To turn on Bluetooth and make the phone discoverable (visible)**

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Wireless controls**, then select the **Bluetooth** check box to turn on Bluetooth. When on, the Bluetooth ( )icon appears in the Status bar.
3. Bluetooth visibility is off by default. Tap **Bluetooth settings**, then select the **Discoverable** check box to make the phone visible to other Bluetooth devices on. Your phone will be visible for up to two minutes.

**Note** Clear the **Discoverable** check box if you don't want other Bluetooth devices to see your phone.

### To change the phone's device name

The device name identifies your phone in a Bluetooth network.

1. Make sure that you have turned Bluetooth on.
2. On the **Wireless controls** screen, tap **Bluetooth settings > Device name**.
3. Enter the name for your phone in the dialogue box, then tap **OK**.
   Your new device name appears on the Bluetooth settings screen.

### To pair and connect a Bluetooth hands-free headset or car kit

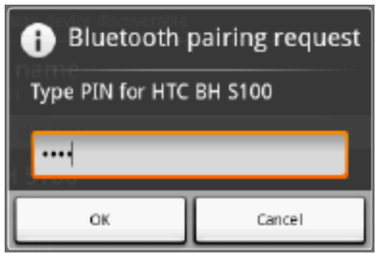
Before you can use a Bluetooth hands-free headset or car kit, you must **pair** it first with your phone.

**Note** Pairing between two Bluetooth devices is a one-time process. Once pairing is created, the devices can recognize the partnership and exchange information without entering a passcode again.

1. Make sure that you have turned Bluetooth on. See "To turn on Bluetooth and make the phone discoverable (visible)" earlier in this chapter.
2. Press HOME > MENU, then tap **Settings**.
3. Tap **Wireless controls > Bluetooth settings.** Your phone will start to scan for Bluetooth devices within range and will display all detected devices below the Bluetooth devices section.
4. Tap the hands-free headset or car kit in the list to start pairing.

**Tip** If you don't find the device in the list, press MENU, then tap **Scan for devices** to scan again.

5. When prompted, enter the hands-free headset or car kit's passcode, then tap **OK**. Refer to the documentation that comes with the device if you don't know the passcode.




6. The pairing and connection status will appear below the hands-free headset or car kit name in the Bluetooth devices list.
   Once the other Bluetooth hands-free headset or car kit is connected to your phone, the Bluetooth connected icon ( ) appears in the Status bar. You can now start using the hands-free headset or car kit to make and/or receive phone calls.

**Note** If you pair with a second headset while connected to the first, the first headset will remain connected. To switch connection to the second headset you must manually select that headset again in the Bluetooth devices list after pairing.

**To disconnect a Bluetooth hands-free headset or car kit**

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Wireless controls > Bluetooth settings.**
3. Scroll to the Bluetooth devices section, then tap and hold the connected hands-free headset or car kit.
4. Tap **Disconnect**.

**Note** If you tap **Unpair**, the phone will erase all pairing information with the device. You will be prompted to enter the passcode again when you connect to this device.

# Chapter 8 Getting Around with Maps

**Maps** lets you track your current location, view real-time traffic situations (depending on availability), and receive detailed directions to your destination. It also provides a search tool where you can locate places of interest or an address on a vector, satellite, or street map.

**Notes**
- You need an active data (3G/GPRS) or wireless (Wi-Fi) connection to use Maps.
- The Maps application does not cover every country or city.

### To enable Location source

Before you open Maps and find your location or search for places of interest, you must enable **Location source**.

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Security & location**.
3. Below the My Location settings section, select **Wireless networks**, **GPS satellites**, or both.

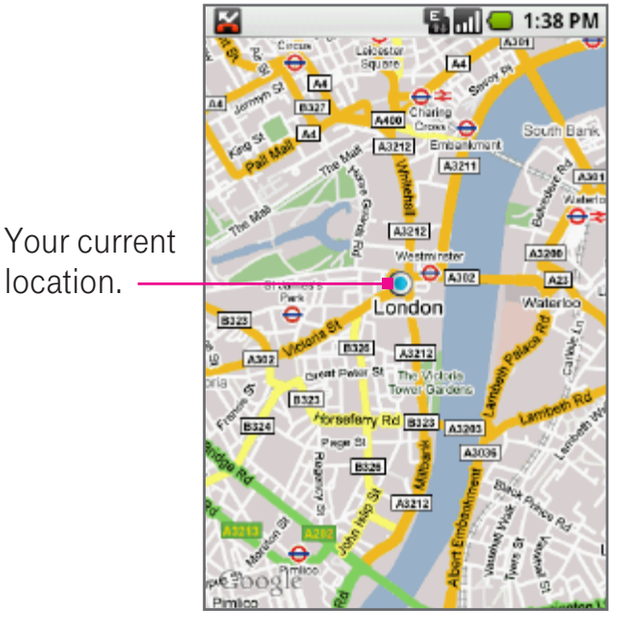
**Note** Selecting **GPS satellites** lets you locate places of interest in street-level. However, it requires a clear view of the sky and more battery power.

### To open Maps

- Press HOME, then tap **Maps**, or
- Press HOME, tap the **Applications** tab, then tap **Maps**.

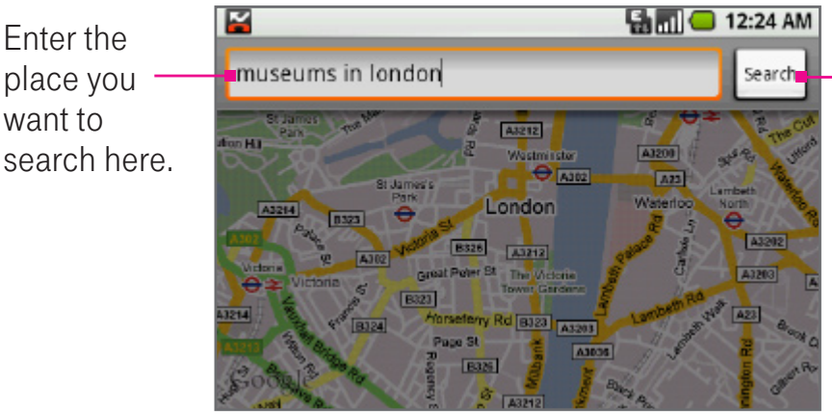
## Find your location

On the main Map screen, press MENU and tap **My Location**. Your location is shown on the map as a blinking blue dot.



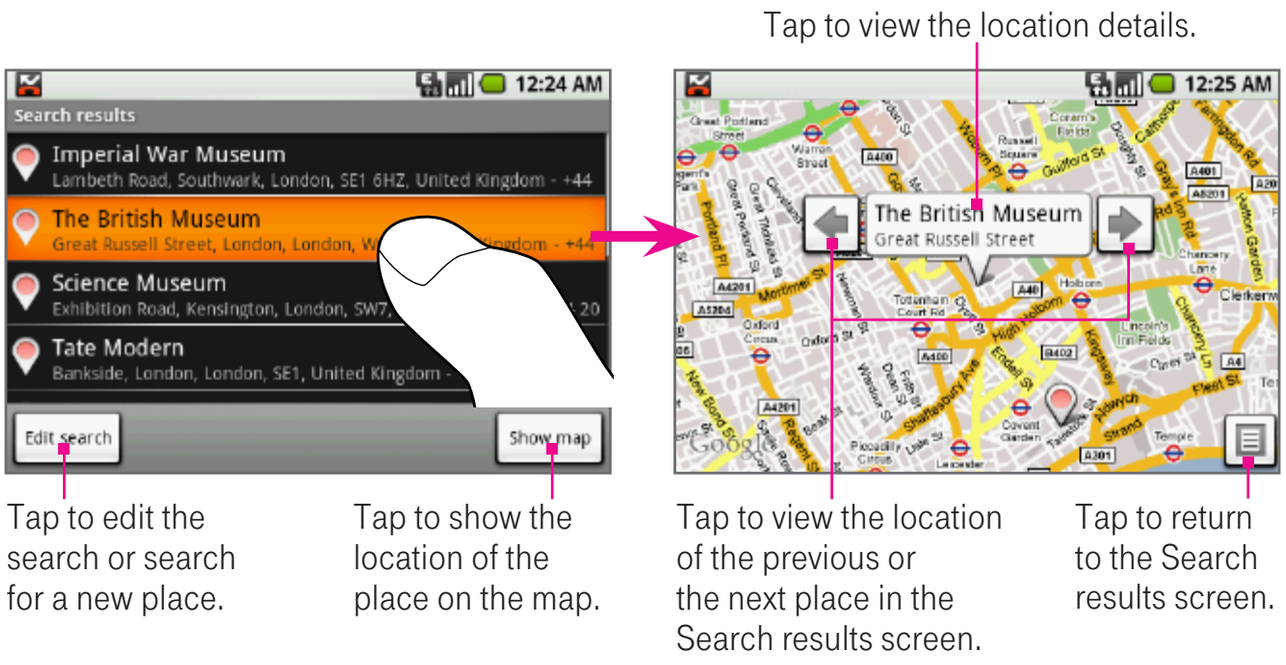

## Search for a place of interest

1. On the main Maps screen, press MENU and tap **Search**.
2. Open the keyboard, then enter the place you want to search for in the search box. You can enter an address, a city, or type of business or establishment (for example, museums in london).



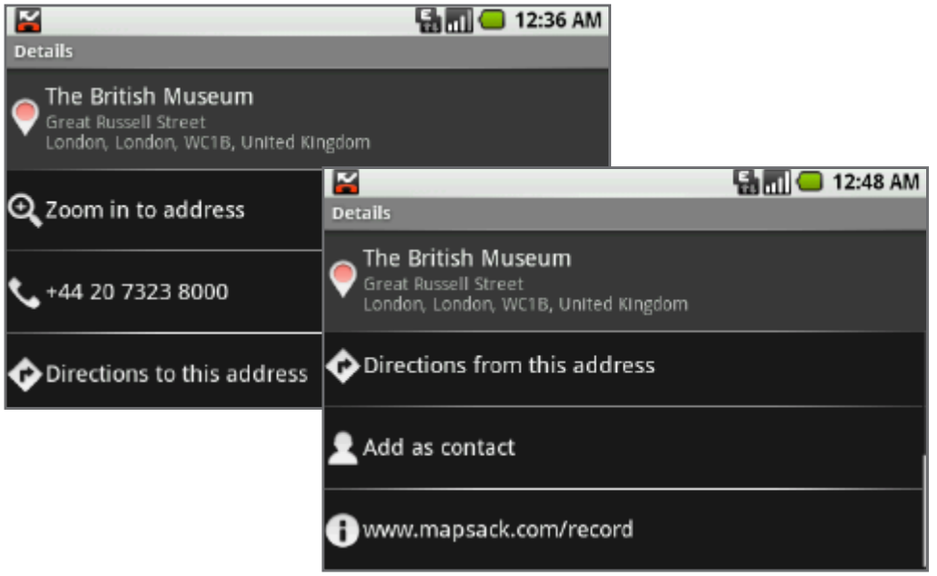

**Tip** As you enter information, a drop-down menu appears listing all the places which you have searched or visited. You can also tap an address on the menu to show its location on the map.

3. Tap **Search**. Your search results display.
4. Tap a place of interest to show its location on the map.


Tap to view the location details.
12:24 AM
Search results
Imperial War Museum
Lambeth Road, Southwark, London, SE1 6HZ, United Kingdom - +44
The British Museum
Great Russell Street, London, London,
Science Museum
Exhibition Road, Kensington, London, SW7,
Tate Modern
Bankside, London, London, SE1, United Kingdom
Edit search
Show map
12:25 AM
The British Museum
Great Russell Street
Tap to edit the search or search for a new place.
Tap to show the location of the place on the map.
Tap to view the location of the previous or the next place in the Search results screen.
Tap to return to the Search results screen.

**Tip** You can also roll the TRACKBALL left or right to view the location of the previous or the next place in the Search results list. The previously-mapped result is also displayed.

5. Tap the place's callout on the map to open the location details.




In addition to the location details, from this screen you can:

- Tap the **Zoom in to address** to zoom in on the location of the place of interest on the map.
- Tap the **[phone number]** to open **Dialer** and call the place of interest that you have selected.
- Tap **Directions to this address** or **Directions from this address** to get directions on how to get to the place of interest from your current location or vice versa.
- Tap **Add as contact** to open the New contact screen and add the place of interest to your contacts list.
- Tap the **[web page address]** to open the Browser and view additional information about the place of interest you have selected.

## Viewing maps

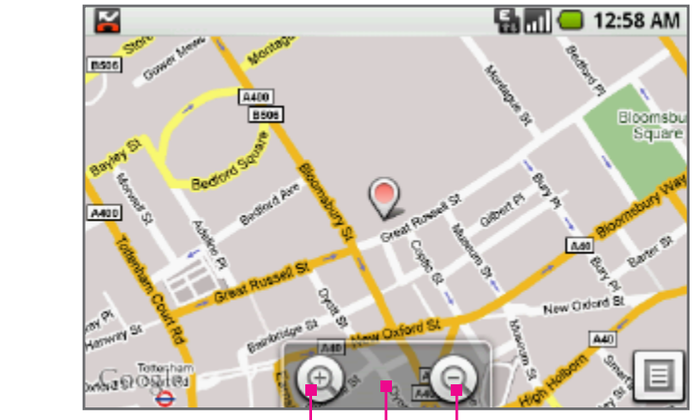
While viewing a map, take advantage of the following zoom and navigation controls:

### To zoom on a map

Do any of the following:

- Touch the screen to open the zoom control tab. Tap to zoom in or tap to zoom out. With each tap, you zoom in closer or zoom out further on the map.

> **Tip** You can also open the zoom control tab by pressing MENU, and tapping **More > Zoom**, or by pressing MENU + z.

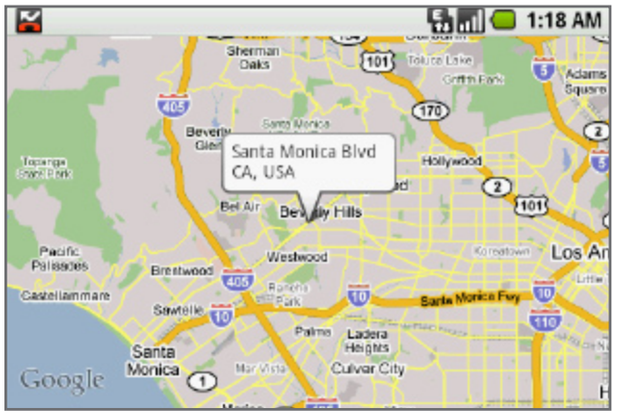



### To navigate on a map

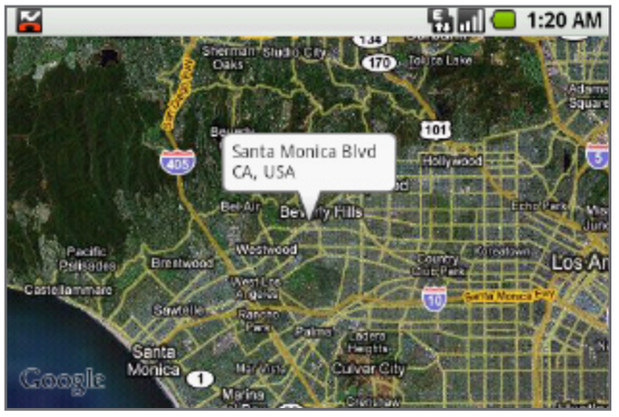
Roll the TRACKBALL or slide your finger in any direction on the screen to view other areas of the map.

### To change a map mode

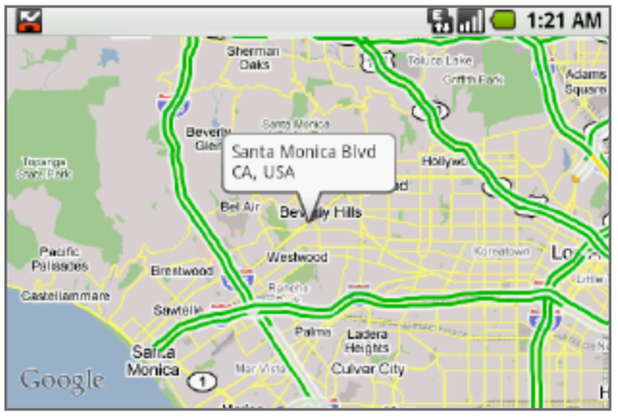
When viewing a map, you can switch to a map mode of your preference. Press MENU and tap **Map mode**. Select from **Map**, **Satellite**, **Traffic**, or **Street View**.



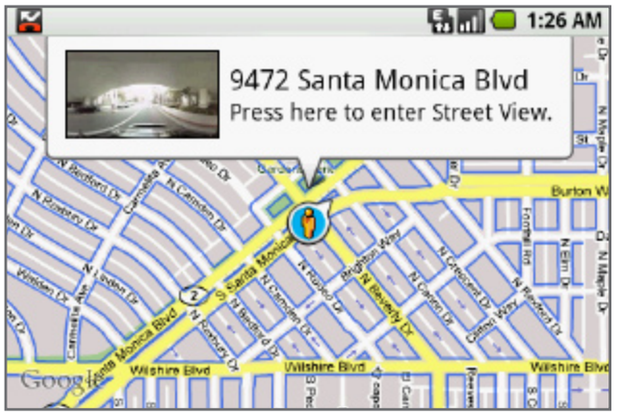

Map mode




Satellite mode




Traffic mode




Street View mode

| | |
|---|---|
| **Map mode** | This is the default view and displays a map, complete with names of streets, rivers, lakes, mountains, parks, and boundaries. |
| **Satellite mode** | Maps uses the same satellite data as Google Earth. Satellite images are not real-time. Google Earth acquires the best imagery available, most of which is approximately one to three years old. |

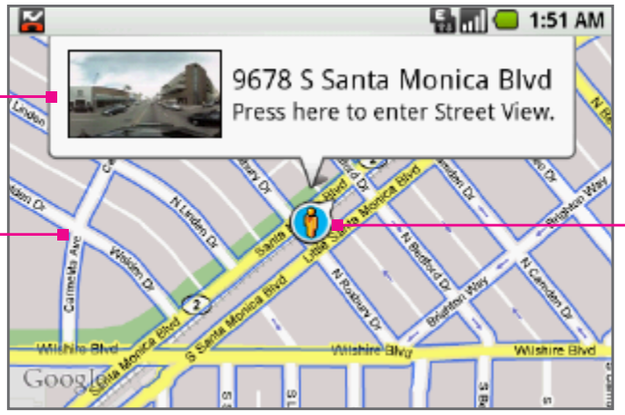
| | |
|---|---|
| **Traffic mode** (Available only in selected areas) | Real-time traffic conditions are displayed over roads as color-coded lines. Each color represents how fast the traffic is moving.<br>▪ Green: More than 50 mph (80 kph)<br>▪ Yellow: 25 to 50 mph (40 to 80 kph)<br>▪ Red: Less than 25 mph (40 kph)<br>▪ Gray: Speed not available |
| **Street View mode** (Available only in selected areas) | Provides a street-level view of the location. Blue outlined roads indicate that street view is available on those locations. See “To view locations in street level” in this chapter for details. |

### To view locations in street level

**Street View** allows you to see the location in street level and lets you adjust the view to see the entire surroundings of that location. It also comes with a compass that automatically adjusts the view when you pan, tilt, or turn the phone screen.

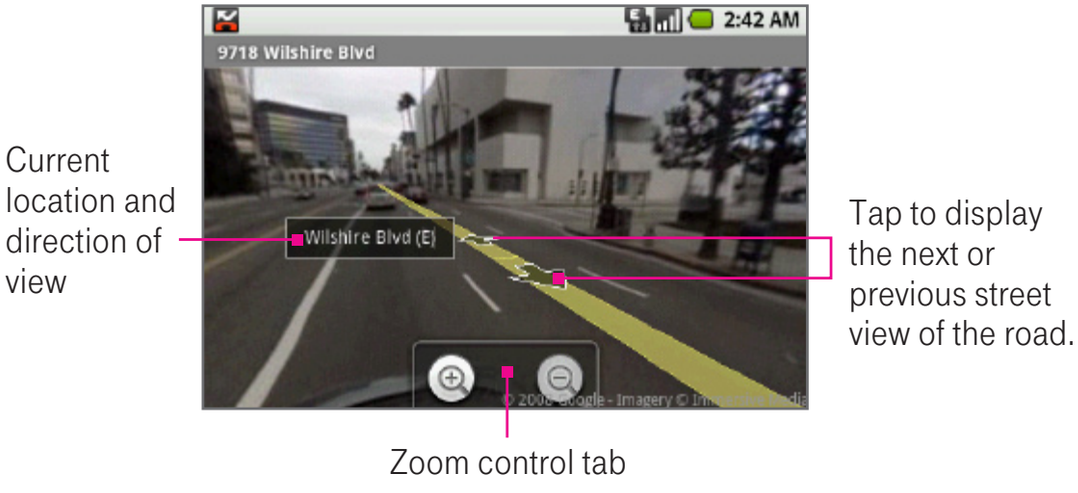
**Notes**
- Street View is available only on selected locations.
- The street view imagery is not real-time but is gathered by vehicles equipped with advanced imaging technology, while driving on public streets. The imagery consists of a combination of Google-owned data and data obtained from partners.

1. When viewing a map, zoom in on the road that you want to view. See “To zoom in on a map” earlier in this chapter.
2. Press MENU, tap **Map mode**, then select **Street View** on the menu.
3. Tap a blue-outlined road.
   Maps will search for the nearest available street view, and when found, a callout appears with the address and a thumbnail of the street view.


1:51 AM
9678 S Santa Monica Blvd
Press here to enter Street View.
Tap to display the street view.
Blue-outlined road
Map marker. Tap and hold to go to another street view location.

**Note** If you want to change locations, tap and hold the map marker until it turns into this icon (), drag it to the road that you want to view, then release it.

4. Tap the callout to display the street view of the location.
5. Do any of the following when in street view:
   - To view the location's surroundings, slide your finger on the screen or roll the TRACKBALL in any direction.
   - Tap the screen to display the location address and direction of your view.
   - Tap the directional arrows on the screen to display the the next or previous street view of the road.
   - To zoom in or out on the image, tap the screen to display the zoom control tab. Tap to zoom in or tap to zoom out.


2:42 AM
9718 Wilshire Blvd
Wilshire Blvd (E)
Current location and direction of view
Tap to display the next or previous street view of the road.
Zoom control tab

- Press MENU to display the following options:

| | |
|---|---|
| **Step forward** | Display the next street view of the same road. |
| **Step backward** | Display the previous street view of the same road. |
| **Zoom** | Tap to open the zoom control tab. |
| **Go to map** | Switch the view to map mode. |
| **Report image** | Report the image to Google Maps. You will be prompted to specify the problem. |
| **Compass mode** | Tap to turn **Compass mode** on or off. When Compass mode is on, you can simply tilt, pan, or turn your phone to view the area around the selected location. |

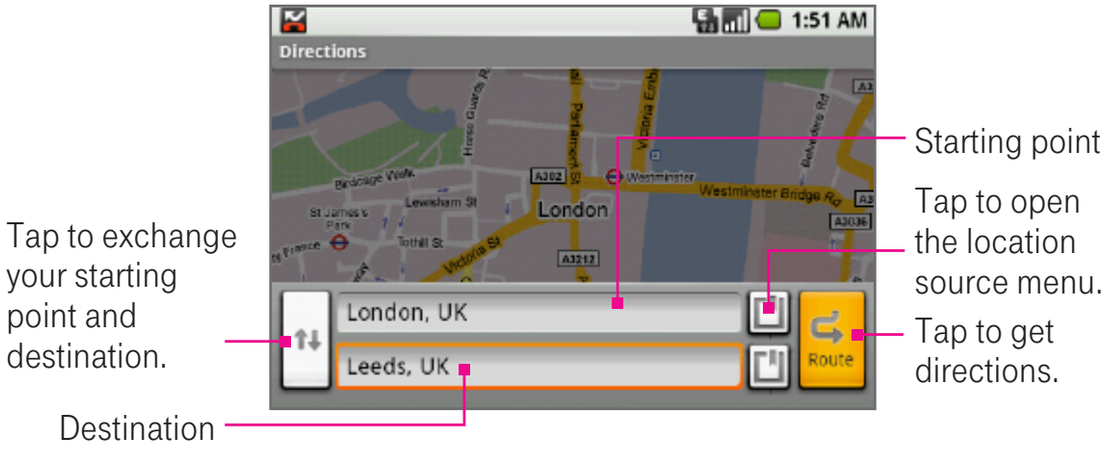
### To view your Map history

To open a list of places which you have visited or searched, press MENU and tap **More > History** while on any map mode (except when in street-level view), or press MENU + h. The screen lists all recent searches and viewed positions, and directions. Tap a location to show it on the map.

## Getting directions

Use Maps to get detailed directions to your destination.

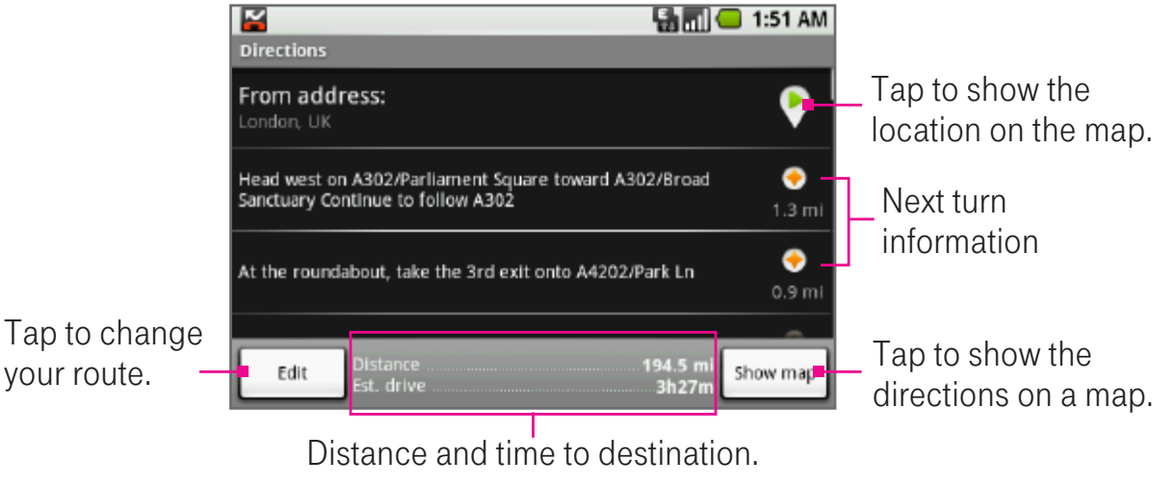
1. While viewing a map in any mode (except when in street level view), press MENU and tap **Directions**.
2. Enter the starting point in the first text box, then enter your destination in the second text box.

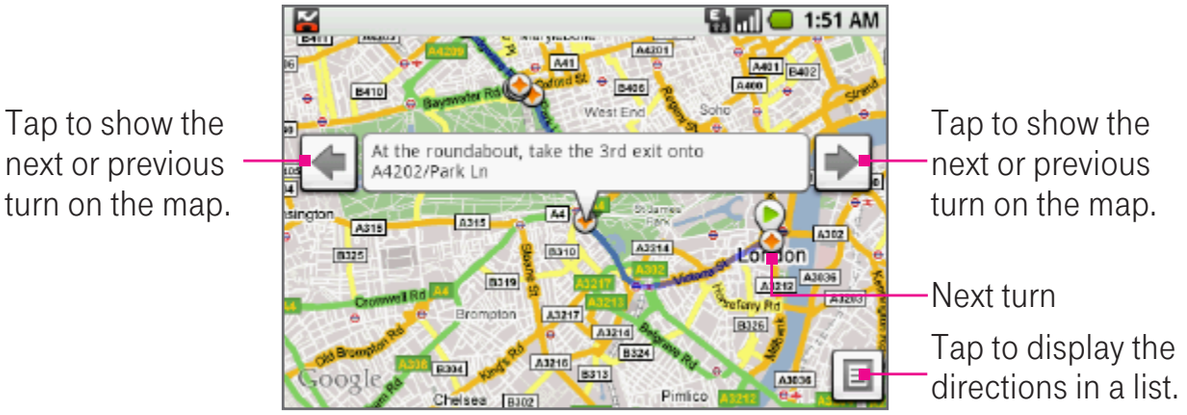



**Tips** Instead of entering an address, tap ( ) to open the location source menu, where you can select the address from the following:

- **My current location**. Make sure that you have enabled GPS. See "To enable Location source" earlier in this chapter.
- **Contacts**. Opens a list of contacts you have saved with a physical address.
- **History**. Opens a list of places you have searched or visited.

3. Tap **Route**.
You can choose to display your directions in a list, or tap **Show map** to display the same directions overlaid on a map.


1:51 AM
Directions
From address:
London, UK
Head west on A302/Parliament Square toward A302/Broad Sanctuary Continue to follow A302
1.3 mi
At the roundabout, take the 3rd exit onto A4202/Park Ln
0.9 mi
Edit
Distance 194.5 mi
Est. drive 3h27m
Show map
Tap to show the location on the map.
Next turn information
Tap to change your route.
Tap to show the directions on a map.
Distance and time to destination.


Tap to show the next or previous turn on the map.
1:51 AM
At the roundabout, take the 3rd exit onto A4202/Park Ln
Tap to show the next or previous turn on the map.
Next turn
Tap to display the directions in a list.

5. When finished viewing or following the directions, press MENU, then tap **Clear map**. Your destination is automatically saved in the Maps history.

## Keyboard shortcuts in Maps

### Map screen

| | |
|---|---|
| Get directions | Press MENU + d |
| Select a map mode | Press MENU + m |
| Show the Maps history | Press MENU + h |
| View My Location | Press MENU + 0 (zero) |
| Open the zoom control tab | Press MENU + z |
| Zoom in on the map | Press MENU + i |
| Zoom out on the map | Press MENU + o |
| Jump to top/bottom of list | Press ALT, then roll the TRACKBALL up or down |

## Search results screen

| | |
|---|---|
| Clear the search results | Press MENU + q |
| View the previous result | Press MENU + j |
| View the next result | Press MENU + k |

## Directions screen

| | |
|---|---|
| View the previous direction point | Press MENU + j |
| View the next direction point | Press MENU + k |
| Cancel directions | Press MENU + q |

# Chapter 9 The Multimedia Experience

## 9.1 Taking Pictures

Use **Camera** to take and share pictures. Your phone comes with a 3.2 megapixel camera with auto-focus, and could capture resolutions of up to 2048 x 1536.

### Before you begin

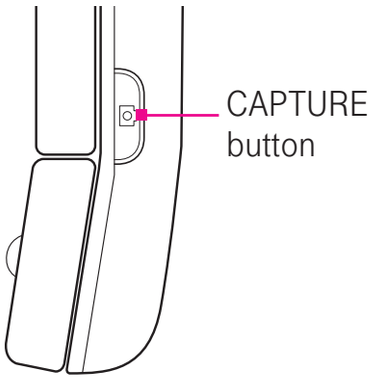
You must install a microSD™ card before you use the Camera. All pictures that you capture or view on your phone are stored on the memory card. For more information on how to install a memory card on your phone, refer to Chapter 1.

### To open the Camera screen

Do any of the following:

- Press HOME, then press the CAPTURE button on the right panel of the phone.
- Press HOME, tap the **Applications** tab, then tap **Camera**.

The Camera opens in capture mode and the screen automatically switches to landscape orientation.




### To close the Camera

On the Camera screen, press HOME or BACK.

### To take a picture

1. Frame your subject on the phone screen.
2. Press the CAPTURE button half-way to activate auto-focus. The auto-focus indicator appears in the upper-right corner of the screen to indicate that the subject is in focus.
3. Fully press the CAPTURE button to take the shot.

## Post-capture screen

After capturing, the post-capture screen lets you save, assign, send, or delete the picture by tapping a button at the bottom of the screen.

Post-capture screen icons

| Button | Function |
|---|---|
| **Save** | Save the photo to the memory card. |
| **Set as** | Assign the photo as a caller ID icon of a selected contact, or set the photo as the Home screen wallpaper. |
| **Share** | Send the photo via email. |
| **Delete** | Delete the captured photo and return to the live Camera screen. |

**Notes**
- When you tap **Save**, **Set as**, or **Share**, your picture is automatically saved into the memory card. Use the Pictures application to view or edit your pictures.
- Pictures you took using your phone are named by date and time. For example, **2008-8-30 14:21:50**, means that the picture was taken on August 30, 2008 at 2:21pm.

## Adjust the Camera settings

In the live Camera screen, press MENU, then tap **Settings**. Adjust the following options according to your preference.

| | |
|---|---|
| **Store location in pictures** | Select this option if you want to save the location information (longitude and latitude) in the picture's metadata so you know where the picture was taken. Some applications, such as Picasa Web albums, can then use this information to display your picture on a map. |
| **Prompt after capture** | Select this option if you always want the post-capture screen to display after capturing. |

# 9.2 Using Pictures

**Pictures** lets you view pictures you have captured and/or stored on the phone's memory card. It also allows you to edit your pictures, create slideshows, add pictures to your contacts, and more.

### To copy pictures onto a memory card

1. Set the phone's memory card as a USB drive. See "Using your Phone as a USB Drive" in Chapter 1 for details.
2. Connect your phone to your computer using the USB sync cable.
3. On your computer, navigate to the USB drive and open it.
4. Create a top-level folder on the memory card. Name the folder "Pictures" or some other descriptive name, then open it.
5. Copy your pictures into this folder.

> **Tip** You can also create and use folders as picture albums to organise your pictures inside the Pictures folder you have created.

6. When finished, close the USB drive window and unmount or eject the drive as required by your computer's operating system.
7. Disconnect the USB sync cable from your phone and computer.

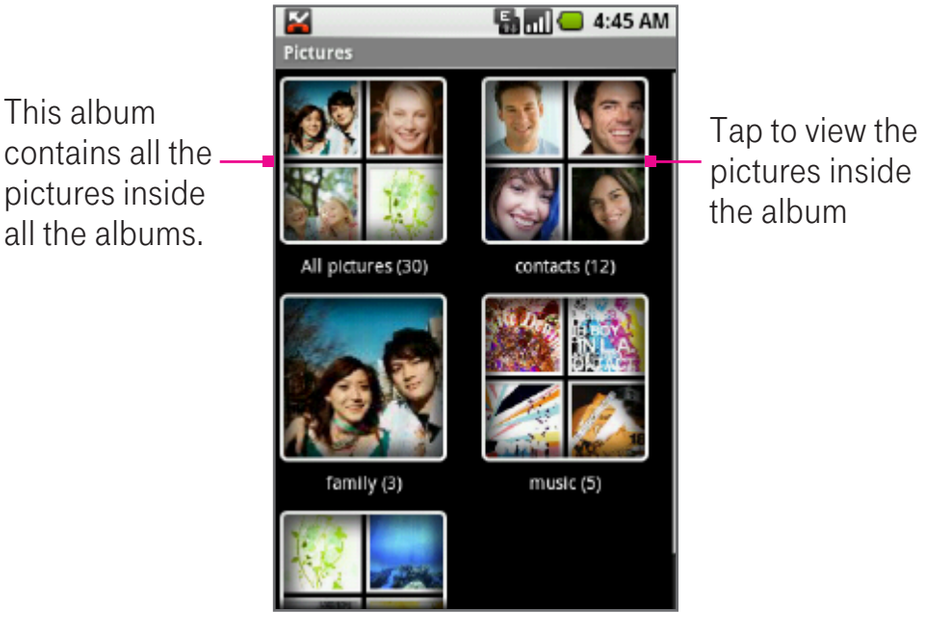
## Open Pictures

Do any of the following:

- Press HOME, tap the **Applications** tab, then tap **Pictures**.
- While on the Camera screen, press MENU, then tap **Pictures**.

> **Note** When you open Pictures from Camera, all pictures are displayed individually without any album groupings.

If you stored your pictures in folders (directories) on the memory card, Pictures will display these folders as separate **albums**. The top left album always contains all the pictures in all your albums.




**Note** Depending on the number of photos stored on the memory card, it may take a few minutes to load all photos on the phone screen.

## View your pictures

1. On the Pictures screen, tap an album to view the pictures within. The individual photos display in a grid in thumbnail format.

   **Note** If there is no album, slide your finger upward or downward on the screen to browse through individual pictures.

2. Tap a thumbnail to view it in full screen. You can also tap and hold the thumbnail, then tap **View** on the options menu.

**Tip** You can select to display small or large thumbnails or to sort your album and display the latest pictures first or last. On the main Pictures screen, press MENU, then tap **Settings**. Below the General settings section, tap **Picture size** or **Picture sort**, then adjust the settings accordingly.

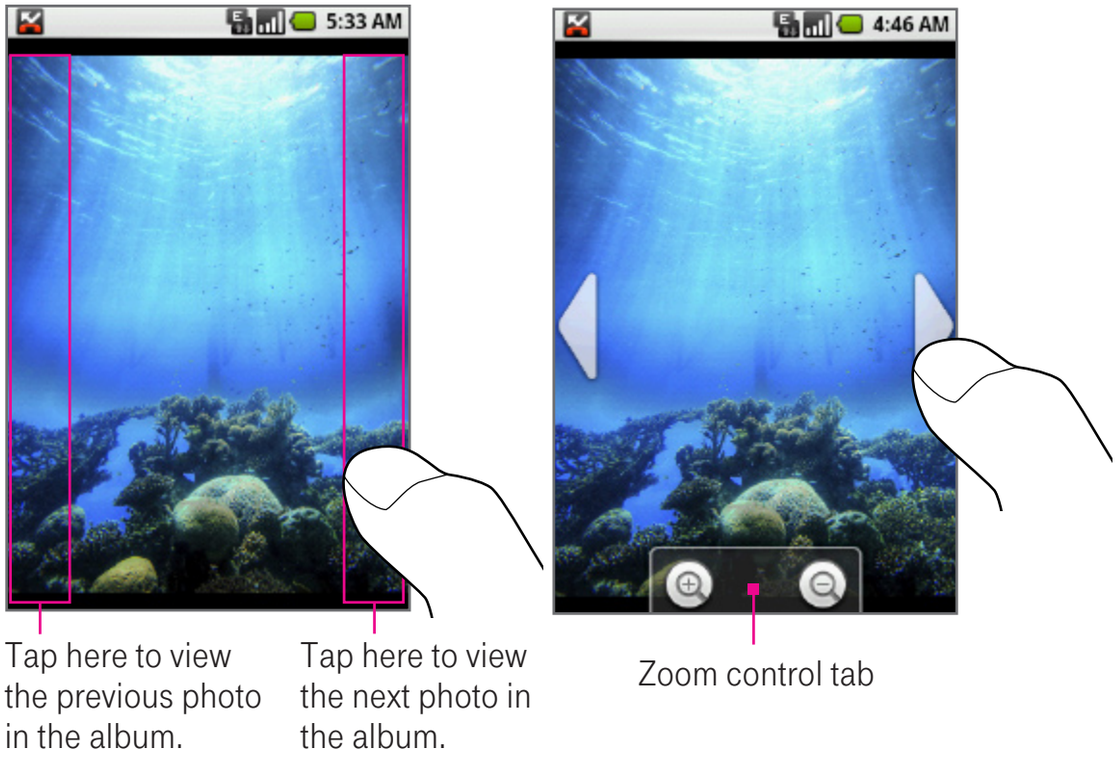
### To change the screen orientation when in Pictures

If you always want your pictures to display in landscape or portrait orientation regardless of whether the keyboard is open, press MENU and tap **Flip orientation**. Your pictures will always open to the selected orientation until you change it again.

### To navigate pictures in an album or picture list

When viewing pictures in full screen, do any of the following:

- Roll the TRACKBALL left to view the previous picture, or roll it right to view the next picture in the album or picture list.
- Tap the left side of the screen to view the previous picture, or tap the right side of the screen to view the next picture.
- Tap the screen to display the scroll arrows. Tap ( ) to view the previous picture, or tap ( ) to view the next picture.




### To zoom in or out on a picture

While viewing the picture, touch the screen to open the zoom control tab. Tap to zoom in, or tap to zoom out on the picture. You can also tap and hold any of these buttons to gradually zoom in or out on the picture.

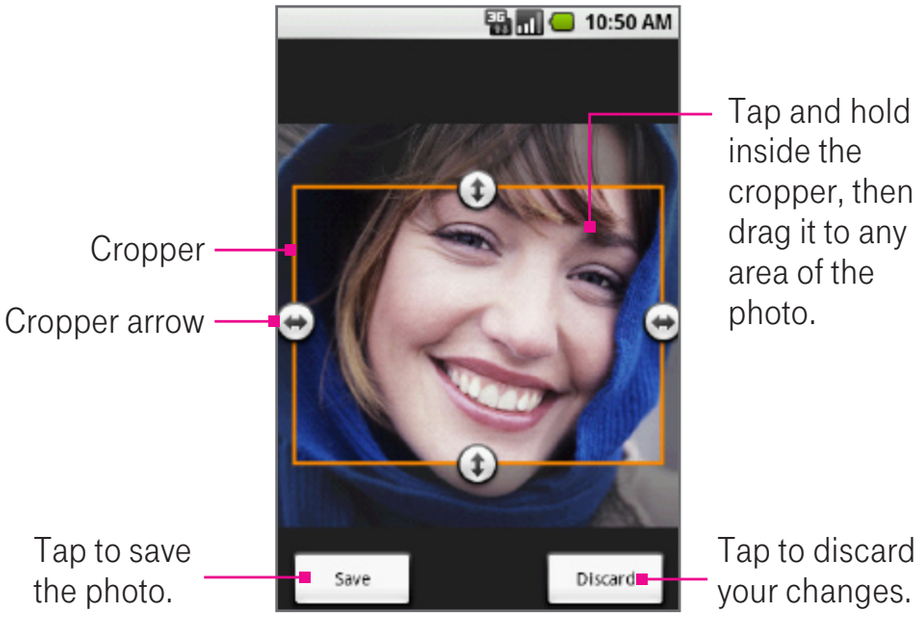
## Edit your pictures

Use the Pictures application to rotate, crop, delete, or view the details of your pictures.

**Tip** You can edit, share, and assign a picture when it is displayed in full screen or in a thumbnail. When in thumbnail view, tap and hold the picture to open the menu where you can access all editing options.

### To crop the picture

1. While viewing a picture in full screen, press MENU, then tap **More > Crop**.The cropper appears.
2. Do any of the following:
   - To adjust the cropper size, touch and hold the cropper edge. When the cropper arrows appear, drag your finger inward to or outward from the centre of the cropper to resize it.
   - To move the cropper to another area on the picture, tap and hold inside the cropper, then drag it with your finger to the desired position.


10:50 AM
Tap and hold inside the cropper, then drag it to any area of the photo.
Cropper
Cropper arrow
Tap to save the photo.
Save
Discard
Tap to discard your changes.

3. Tap **Save** to apply the changes to the picture.

**Note** The cropped picture is saved in the memory card as a copy. The original picture remains unedited.

### To rotate the picture

1. While viewing a picture in full screen, press MENU, then tap **Rotate**.
2. On the Rotate window, tap **Rotate left** or **Rotate right** as desired.

### To view the picture details

While viewing a picture in full screen, press MENU, then tap **More > Details**.

The picture details window opens displaying the picture's title, resolution, file size, and date when the picture was taken.

### To delete a picture

While viewing a picture in full screen, press MENU, then tap **Delete**, or press MENU + d. When the Delete dialogue window appears, tap **OK**.

**Note** If you don't want the Delete dialogue window to appear every time you delete a picture, return to the main Pictures screen, press MENU, then tap **Settings**. Clear the **Confirm deletions** check box.

## Send a picture

Send a picture using your favourite email account.

1. While viewing a picture in full screen, press MENU, then tap **Share**.

   **Note** If you have set up an external email account in addition to your Google account, you will be prompted to select the email account to use to send the picture. Tap the account on the screen to select.

   A new message screen opens with the picture automatically added as an attachment.

2. Open the keyboard, then enter the message recipients by typing a name or an email address in the **To** field. As you enter email addresses, matching contacts will appear on the screen. Select the recipient or continue entering the address. You can add as many message recipients as you want.

3. Enter the subject and your message.
4. Tap **Send**.

## Set a picture as wallpaper or caller ID icon

You can set a picture as your Home screen wallpaper or assign it to your contact as their caller ID icon.

### To set the picture as Home screen wallpaper

1. While viewing a picture in full screen, press MENU, then tap **More > Set as** > **Wallpaper**.
2. If the picture needs cropping, the cropper will appear. See “To crop the picture” earlier in this chapter for details.

**Note** The wallpaper is immediately applied to the Home screen.

### To assign the picture as caller ID icon

1. While viewing a picture in full screen, press MENU, then tap **More > Set as** > **Contact icon**. Your contacts list opens.
2. Tap the contact you want to assign the photo.
3. If the photo needs cropping, the cropper will appear. See “To crop the picture” earlier in this chapter for details.

   The picture now appears in the contact’s details screen, as well as on any incoming call notifications.

## View pictures as a slideshow

You can view your pictures as a slideshow. When you play a slideshow, all photos in the selected album will be included.

### To view pictures as a slideshow

1. While viewing a picture in full screen, press MENU, then tap **Slideshow**. Your slideshow begins.

   **Note** The Status bar hides while your slideshow is playing.

2. To stop the slideshow, press BACK, tap the screen, or press the TRACKBALL.
3. To resume the slideshow, press MENU and tap **Slideshow**. If you stopped the slideshow, it will resume on the last picture that you have viewed.

### To adjust the slideshow settings

You can adjust the slideshow settings according to your preference.

1. On the main Pictures screen, press MENU, then tap **Settings**.
2. Adjust the following options below the Slideshow settings section:

| | |
|---|---|
| **Slideshow interval** | Select how long each slide plays: **2 seconds**, **3 seconds**, or **4 seconds**. |
| **Slideshow transition** | Select the transition you want to use between each slide: **Fade in & out**, **Slide left - right**, **Slide up - down**, or **Random selection**. |
| **Repeat slideshow** | Select this option to repeat the slideshow continuously until you stop it. |
| **Shuffle slides** | Select this option to shuffle your photos in the slideshow. |

## Close Pictures

While in the main Pictures screen, press HOME or BACK to close the application.

**Note** If you opened Pictures from the Camera application, the screen returns to the live Camera screen when you press BACK.

# 9.3 Using YouTube™

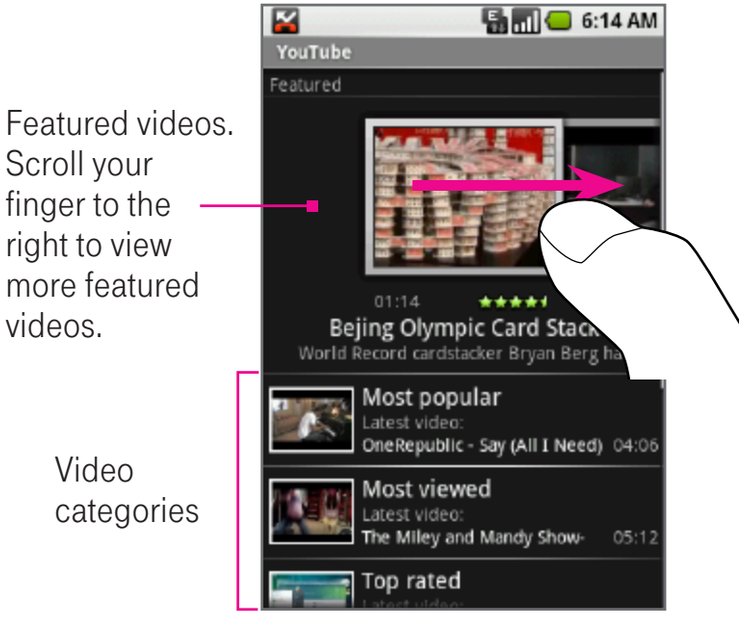
YouTube™ is a free online video streaming service that allows you to view videos that have been uploaded by YouTube members. You do not need a YouTube account to browse and view videos. However, to use all the features of YouTube (such as viewing “My account”), you must create a YouTube account from your computer and sign in to that account from your phone.

**Note** You must have an active data (3G, GPRS), or wireless network (Wi-Fi) connection to access YouTube.

### To open YouTube

Press HOME, tap the **Applications** tab, then tap **YouTube**.

The main YouTube screen appears with the videos grouped into categories, such as **Featured**, **Most popular**, **Most viewed**, **Top rated**, and more.

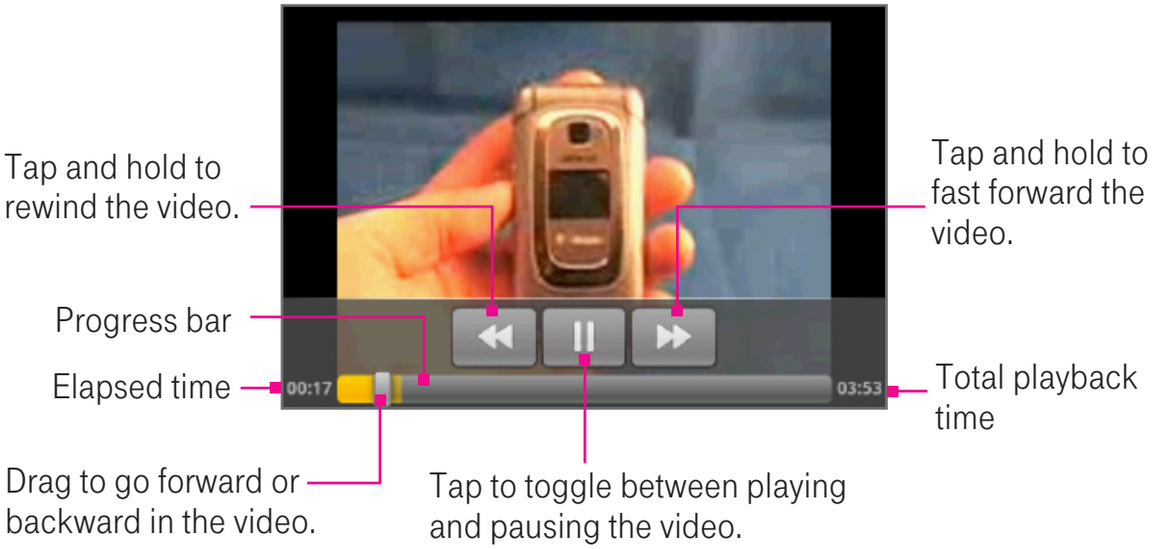



## Watch videos

1. On the main YouTube screen, tap a video category.
2. Tap a video inside the category to play it. When the keyboard is open, you can also highlight the video using the TRACKBALL, then press ↵ to play it.

**Note** The screen automatically switches to landscape orientation when you play a video.

3. While watching a video, touch the lower part of the screen to display the playback controls.


Tap and hold to rewind the video.
Tap and hold to fast forward the video.
Progress bar
Elapsed time
00:17
03:53
Total playback time
Drag to go forward or backward in the video.
Tap to toggle between playing and pausing the video.

4. While watching a video, press BACK to stop and return to the video list.

## Search for videos

1. While on the main YouTube screen, open the keyboard, then press [search].
2. Enter a search keyword, then tap **Search**.
3. The number of search results appears below the Status bar. Scroll through the results and tap a video to watch it.

**Tip** To clear your search history, press [MENU] and tap **Settings**. Tap **Clear search history**, then tap **OK**.

## Filter videos by time

You can filter the video list by the time it was posted on YouTube. In any video category (except on Search results), press MENU and tap **Time categories**. Select from: **Today**, **This week**, **This month**, and **All time**.

After making a selection, the list is reduced to show only the videos posted during that time period.

## View video details

If you want to see the video details and a list of related videos, highlight a video in a list using the TRACKBALL, tap and hold the video, then tap **Details**. The video details screen appears showing the author's comments, video length, date it was posted, and more. A list of related videos also appear at the bottom of the screen.

### To view comments

While watching a video, or when viewing a video in a list, you can view the comments posted by the video's viewers.

- Tap and hold a video in a list, then tap **Comments** on the options menu.
- While watching a video, press MENU , then tap **Comments**.

## Share videos

You can share a video by sending its link to your contacts.

1. Do any of the following:
   - While viewing videos in a list, tap and hold the video, then tap **Share** on the options menu.
   - While watching a video, press MENU , then tap **Share**.

**Note** If you have set up an external email account in addition to your Google account, you will be prompted to select the email account to use to send the video link. Tap the account on the screen to select.

A new message appears with the video link automatically added to the email message.

3. Open the keyboard, then enter the message recipients by typing a name or an email address in the **To** field. As you enter information, matching contacts will appear on the screen. Select the recipient or continue entering the email address. You can add as many message recipients as you want.
4. Enter the message subject, then tap **Send**.

## 9.4 Using Music

**Music** plays digital audio files from the phone's memory card. Your phone will play the following music file formats:

- MP3
- M4A (iTunes® application AAC, DRM-free)
- AMR
- WMA (8)
- MIDI
- WAV
- OGG Vorbis

## Copy music to the memory card

Music only plays audio files saved on a memory card. You must copy the audio files to a memory card before you open Music.

1. Set the phone's memory card as a USB drive. See "Using the Phone as a USB Drive" in Chapter 1 for details.
2. Connect your phone to your computer using the USB sync cable.
3. On your computer, navigate to the USB drive and open it.
4. Create a top-level folder on the memory card. Name the folder "Music" or some other descriptive name, then open it.
5. Copy audio files into this folder. See the list of supported music formats earlier in this chapter.

> **Tip** You can also create and use folders to organise your audio files inside the Music folder you have created.

6. When finished, close the USB drive window and unmount or eject the drive as required by your computer's operating system.
7. Disconnect the USB sync cable from your phone and computer.

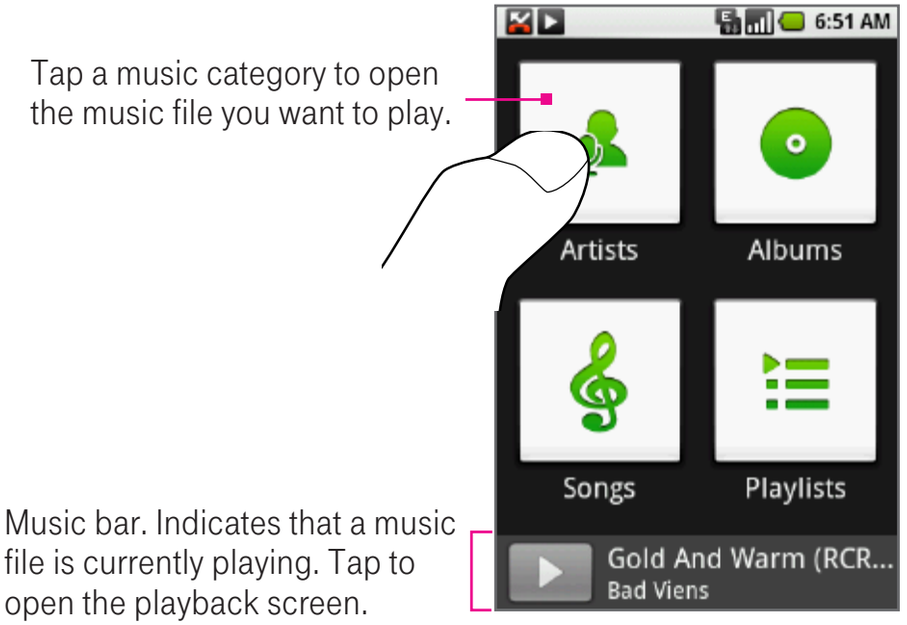
### To open Music

Press HOME, tap the **Applications** tab, then tap **Music**. The Music Library screen displays.

## Music Library

Your music is organised into four categories: **Artists**, **Albums**, **Songs**, and **Playlists**. Tap a category to view the lists within each.

When inside a category, keep tapping the screen until you reach the music you want to play. For example, if you tap **Artists**, you will see a list of artists in alphabetical order. If you tap an artist, the list opens to display that artist's albums. Select an album, and the album's song list displays.

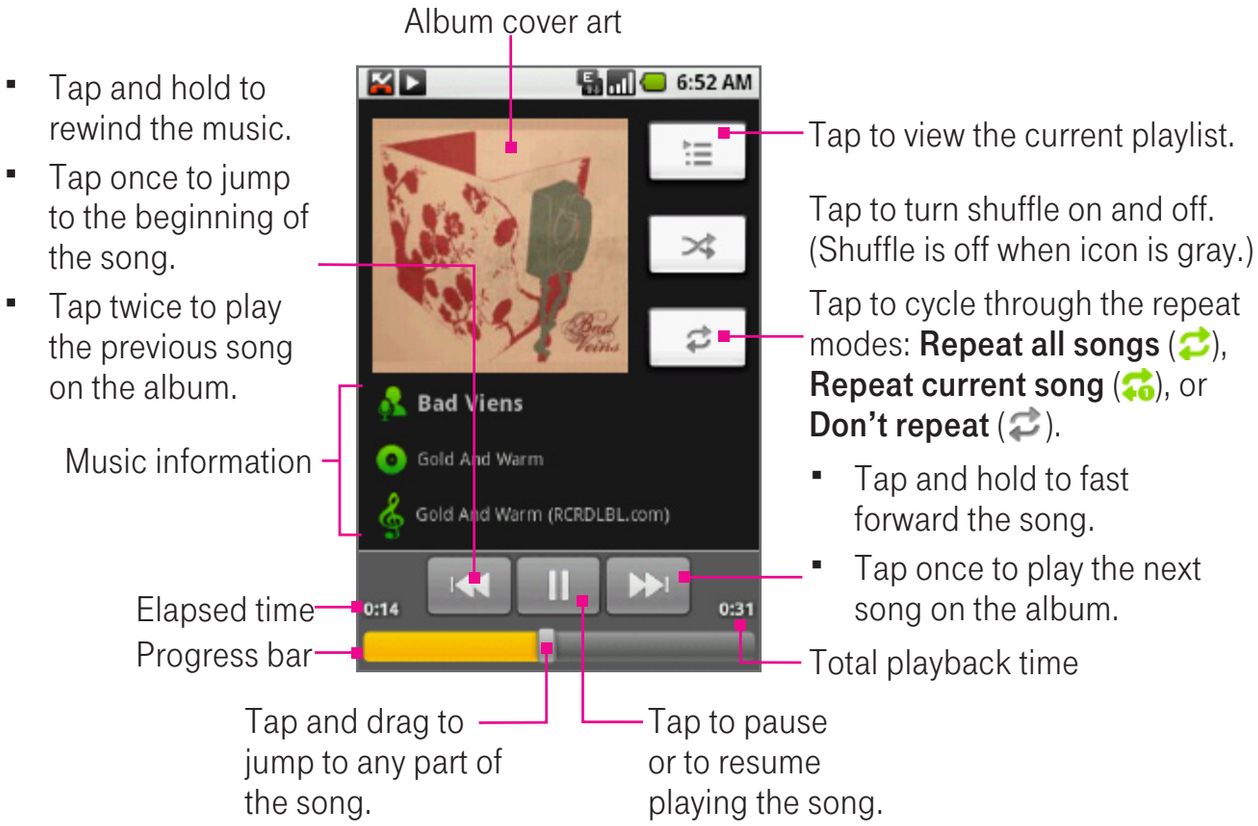

Tap a music category to open the music file you want to play.
6:51 AM
Artists
Albums
Songs
Playlists
Music bar. Indicates that a music file is currently playing. Tap to open the playback screen.
Gold And Warm (RCR...
Bad Viens

## Play music

At any level in the Music Library, tap and hold a category (a song, artist, album, or playlist) to open the options menu, then tap **Play**. The playback screen opens.

**Note** Press the VOLUME CONTROL buttons to adjust the playback volume.

## Playback screen


Album cover art
Tap and hold to rewind the music.
Tap once to jump to the beginning of the song.
Tap twice to play the previous song on the album.
Music information
Elapsed time
Progress bar
Tap and drag to jump to any part of the song.
Tap to pause or to resume playing the song.
Tap to view the current playlist.
Tap to turn shuffle on and off. (Shuffle is off when icon is gray.)
Tap to cycle through the repeat modes: Repeat all songs, Repeat current song, or Don't repeat.
Tap and hold to fast forward the song.
Tap once to play the next song on the album.
Total playback time
6:52 AM
Bad Viens
Gold And Warm
Gold And Warm (RCRDLBL.com)
0:14
0:31

**Tip** While on the Music Library or playback screen, you can play all songs in your library in random order. Press MENU, then tap **Party shuffle**. The first randomly selected song will play. To turn off Party shuffle, press MENU, then tap **Party shuffle off**.

## Use playlists

Use playlists to organise your music files. You can create as many playlists as you want on your phone.

**Note** The **Recently added** playlist is a system playlist and cannot be deleted or renamed.

### To create a playlist

1. Tap a category on the Music Library screen.
2. In the list that appears, use the TRACKBALL to navigate to the artist, album, or song that you want to add in the playlist.
3. Tap and hold the artist, album, or song, then tap **Add to playlist** on the options menu.
4. In the **Add to playlist** window, tap **New**.

   **Tip** To add the artist, album, or song to an existing playlist, tap the playlist's name in the list.

5. Open the keyboard, then enter the new playlist name.
6. Tap **Save**. The artist, album, or song is automatically added to the new playlist.

### To manage your playlists

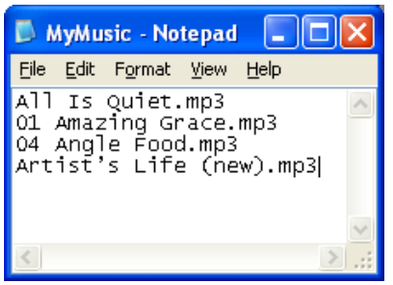
1. Go to the Music Library screen, then tap **Playlists**.
2. Do any of the following:
   - To play the songs in a playlist, tap the playlist name.
   - To delete a playlist, tap and hold the playlist, then tap **Delete** on the options menu.

- To rearrange the songs or remove a song in a playlist, tap and hold the playlist, then tap **Edit** on the options menu. Tap and hold ☰ before the song you want to move, drag it to its new position, then release. To delete a song, tap and hold the song, then tap **Remove from playlist**.
- To rename a playlist, tap and hold the playlist, then tap **Rename** on the options menu. Open the keyboard, enter the new playlist name, then tap **Save**.

### To import a playlist

You can create playlists on your computer, then save these on your memory card. Music can access the following playlist formats: M3U, WPL, and PLS.

1. On your computer, open a simple text file for editing.
2. On separate lines, enter all the music file names you want included in your playlist.




**Notes**
- The names you list in the file should be the names that appear when you view the contents of your memory card through your computer's file system, not the names that appear in the list of songs on your phone.
- Your phone will simplify the names and will not include track numbers or file extensions (for example, .mp3).

3. Save the playlist file, using .m3u as the file name extension (for example, MyMusic.m3u).
4. Copy the playlist file to the memory card. Follow the instructions in "To copy music onto a memory card" section earlier in this chapter.

**Note** It is recommended that you create a **Playlist** folder inside your **Music** folder in the memory card to hold all your playlist files.

## Set a song as ring tone

You can use any of your songs as a phone ring tone.

1. From the Music Library, navigate to a song that you want to use as ring tone.
2. Tap and hold the song, then tap **Use as phone ringtone** on the options menu. The song is set as your default incoming call ringtone.

**Note** To check if the selected song is added as a ring tone, press HOME, then tap **Settings > Sound & display > Phone ringtone**. The song will be listed as an option.

## Delete music on the memory card

You can delete music files on the memory card.

1. Tap **Artists**, **Album**, or **Songs** on theMusic Library screen.
2. Tap the screen to show the artist, album, or song that you want to delete.
3. Tap and hold the item, then tap **Delete** on the options menu.
4. When prompted, tap **OK**.

# Keyboard shortcuts in Music

## Music list views

| | |
|---|---|
| Play the highlighted music | Press |
| Delete the highlighted music | Press |

## Playlists screen

| | |
|---|---|
| Play the highlighted music | Press |
| Remove from the playlist | Press |

# Chapter 10 Managing Your T-Mobile G1

## 10.1 Changing Basic Settings

### Set the date, time zone, and time

By default, your phone automatically uses the network-provided date, time zone, and time. Follow these steps to manually adjust these settings.

1. Press HOME > MENU, then tap **Settings**.
2. Scroll down the screen, then tap **Date & time**.
3. Clear the **Automatic** check box.
4. Tap **Set date**. On the Change date window, tap + or − to adjust the date, month, and year, then tap **Set** when finished.
5. Tap **Set time zone**, then select the time zone in the list. Scroll down the list to view more time zones.
6. Tap **Set time**. On the time window, tap + or − to adjust the hour and minute, then tap AM to change to PM or vice versa. Tap **Set** when finished.
7. Tap **Use 24-hour format** to switch between using a 12-hour or a 24-hour format.
8. Tap **Date format** to select how you want dates to display on your phone. The selected date format also applies to the date displayed in the Alarm Clock.

**Note** For details on how to set an alarm, see “Alarm Clock” in Chapter 11.

## Display settings

### To adjust the screen brightness

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Sound & display**, scroll down the screen, then tap **Brightness**.
3. Drag the slider to the left to decrease or to the right to increase the screen brightness.
4. Tap **OK**.

### To adjust the time before the screen turns off

After a period of inactivity, the phone screen turns off to conserve battery power. You can set the time before the screen turns off.

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Sound & display**.
3. Scroll down the screen, then tap **Screen timeout**.
4. Select the time before the screen turns off, then tap **OK**.

**Tip** To turn off the screen quickly, press the END CALL/POWER button.

### To keep the screen on while charging the phone

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Applications > Development.**
3. Select the **Stay awake** check box.

## Ringer settings

### To change the ring tone

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Sound & display > Phone ringtone**.
3. Tap the ring tone you want to use, then tap **OK**. The ring tone briefly plays when selected.

**Tip** You can use *.wav, *.mid, *.mp3, *.wma, or other types of sound files that you downloaded from the Internet or copied from your computer as ring tones. For a complete list of supported audio file formats for ring tones, see “Specifications” in the Appendix.

### To enable touch tones

You can set the phone to play a ring tone every time you touch the screen.

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Sound & display**, then scroll down the screen.
3. Select the **Audible touch tones** option.

### To choose the notification ring tone

You can select the ring tone to play when your phone receives new notifications.

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Sound & display > Notification ringtone.**
3. Select your preferred notification ring tone in the list.

## Phone services

Your T-Mobile G1 can directly link to the mobile phone network, and enable you to access and change the settings of various phone services. Phone services may include Call Forwarding, Call Waiting, Voicemail, and more. Contact T-Mobile to find out about the availability of phone services for your T-Mobile G1.

**To access and change the phone services settings**

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Call settings**.

**Note** For more information on the phone services settings, see “Adjust the Call Settings”in Chapter 2.

**To enable data roaming**

Data roaming lets you connect to T-Mobile’s partner networks and access data services when you are out of T-Mobile’s coverage area.

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Wireless controls > Mobile networks**.
3. Select the **Data roaming** option.

**Note** Accessing data services while roaming may incur additional charges. Inquire the data roaming tariffs with your local T-Mobile store.

## 10.2 Protecting Your T-Mobile G1

### Protect your SIM card with a PIN

You can protect your SIM card from unauthorised use by assigning a PIN (personal identification number).

**To enable the SIM card PIN**

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Security & location**, scroll down the screen, then tap **Set up SIM card lock**.
3. Select the **Lock SIM card** option.

4. Enter the default SIM card PIN using the keyboard, then tap **OK**.
5. To change the SIM card PIN at any time, tap **Change PIN code**.

**Tip** Emergency calls can be placed at any time, without requiring a PIN.

## Protect your phone with a screen lock

You can help keep your data more secure by locking the screen and/or requiring a screen unlock pattern every time your T-Mobile G1 is turned on or waken up from Sleep mode.

### To lock the screen

Press the END CALL/POWER button. Locking the control buttons and the screen prevents accidental button presses and screen touches.

**Note** To unlock the screen, press MENU.

### To create and enable the screen unlock pattern

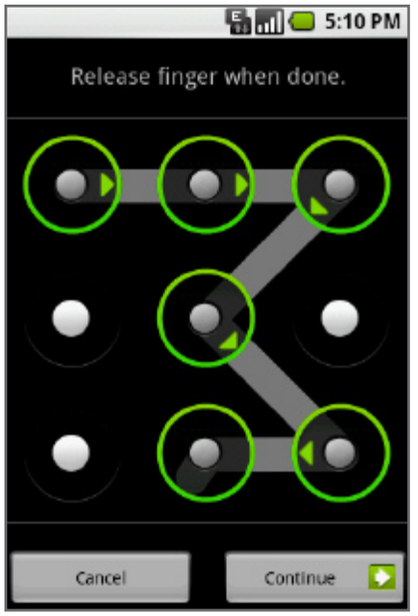
You can increase the security of your phone by setting a screen unlock pattern. When created and enabled, you have to draw the correct unlock pattern on the screen to unlock the phone's control buttons and touch screen.

1. Press HOME > MENU, then tap **Settings**.
2. Tap **Security & location** > **Set unlock pattern**.

3. Connect at least four dots in a vertical, horizontal and/or diagonal direction, then lift your finger from the screen when done.

   **Note** You must slide your finger on the screen to create the pattern and not tap individual dots.

4. The phone records the pattern. Tap **Continue**.
5. When prompted, draw the screen unlock pattern again, then tap **Confirm**.
6. Select the **Require gesture** option to enable the screen unlock pattern.




**Tip** Clear the **Use visible pattern** check box, if you do not want the unlock pattern to display on the screen when you unlock it.

**Note** To change your unlock screen pattern, press HOME > MENU, then tap **Settings > Security & location > Change unlock pattern**.

## 10.3 Managing Memory

**To see how much phone memory is available for use**

1. Press HOME > MENU, then tap **Settings**.
2. Scroll down the screen, then tap **SD card & phone storage**.
   The available phone memory displays below the Internal phone storage section.

**To see the available memory card space**

1. Press HOME > MENU, then tap **Settings**.
2. Scroll down the screen, then tap **SD card & phone storage**.
   The total and available memory card space display below the SD card section.

**To free some phone memory**

If your T-Mobile G1 is running low on memory, try the following:

- Move files and email attachments to the memory card.
- In Browser, clear all temporary Internet files and Browser history information. See “Browser” in Chapter 7 for more information.
- Uninstall downloaded programs you no longer use. See “Android Market” in Chapter 11 for details.
- Reset your T-Mobile G1. See the next section for details.

# 10.4 Resetting Your T-Mobile G1

## Normal reset

Occasionally, you may need to reset your T-Mobile G1. A normal reset (also known as a soft reset) clears all active program memory and shuts down all active programs. This can be useful when your T-Mobile G1 hangs or freezes, is running slower than normal, or a program is not performing properly. If a normal reset is performed when programs are running, unsaved work will be lost.

**To perform a normal reset**

1. Remove the back cover.
2. Remove the battery for a few seconds.
3. Re-install the battery, replace the back cover, then turn on the phone.

**Note** See Chapter 1 for details on how to remove and replace the back cover and battery.

## Hard reset

You can also perform a hard reset (also known as a full reset). A hard reset should only be performed if a normal reset does not solve a system problem. After a hard reset, the T-Mobile G1 is restored to its default settings—the way it was when you first purchased it and turned it on. Any applications you installed, data you entered, and settings you customised on your T-Mobile G1 will be lost. Only the operating system and other pre-installed applications will remain.

Your T-Mobile G1 will be set back to factory default settings. Make sure that any additional installed programs and/or user data have been backed up before you perform a hard reset.

### To perform a hard reset

1. Press HOME > MENU, then tap **Settings**.
2. Scroll down the screen, then tap **SD card & phone storage**.
3. Below the Internal phone storage section, tap **Factory data reset**.
4. When prompted, tap **Reset phone**. The phone resets and displays the Home screen.

## 10.5 Software Updates

Google may from time to time bring out new or updated versions of the software your phone uses. When they do that, Google will send over-the-air updates to your phone so that it automatically downloads the new software. You won't need to do anything to get the new software, your phone will automatically connect to the Internet to download the updates.

In the UK you won't be charged for connecting to the Internet to download these over-the-air updates, but when you're not in the UK you will be charged our usual mobile Internet travel rates for downloads. The cost of these downloads will be added to your next bill and please remember that these over-the-air updates can be up to 64 MB in size. Please see www.t-mobile.co.uk/services/going-abroad/ for full details of the roaming charges in the country you're travelling to.

To avoid being automatically charged for downloading any over-the-air updates when you're not in the UK, you should deactivate data roaming on your phone before travelling abroad. This will mean you won't be able to access the Internet or use any other data services (e.g. TV) on your phone while you're away. See page 170 for details on how to enable or disable data roaming.

## 10.6 Battery Saving Tips

How long your battery power lasts depends on the battery type, the network that you connect to, and how you use your T-Mobile G1.

Try the following to conserve battery power:

- When you don't need 3G services, set your phone to connect to a T-Mobile's 2G network. To do this, press HOME > MENU, tap **Settings > Wireless controls > Mobile networks**, then select the **Prefer 2G networks** option.
- When your T-Mobile G1 is not in use, press END CALL/POWER to switch off the screen.
- Select a shorter idle time before the phone screen switches off. See "Display settings" earlier in this chapter.
- Lower the screen brightness. See "Display settings" earlier in this chapter.
- Use the AC adapter to plug your T-Mobile G1 into an external power outlet whenever possible.
- Turn Bluetooth off when you are not using it. Make your T-Mobile G1 visible to other devices only when you are trying to establish a Bluetooth partnership. For more information about Bluetooth, see Chapter 7.
- Turn Wi-Fi off when you are not using it. For more information about Wi-Fi, see Chapter 7.
- Turn off your phone connection to GPS satellites when not in use. To do this, press HOME > MENU, tap **Settings > Security & location**, then clear the **GPS satellites** option. For more information, see "Maps" in Chapter 8.
- Lower the volume.
- Close battery-intensive programs, such as the Camera, when you are done using them.

# Chapter 11 Other Applications

## 11.1 Android Market

**Android Market** provides direct access to fun games and useful applications which you can download and install on your phone.

**To open the Android Market**

1. Press HOME, tap the **Applications** tab, then tap **Market**.
2. When you open the Android Market for the first time, the Terms of Service window will appear. Tap **Accept** to continue.

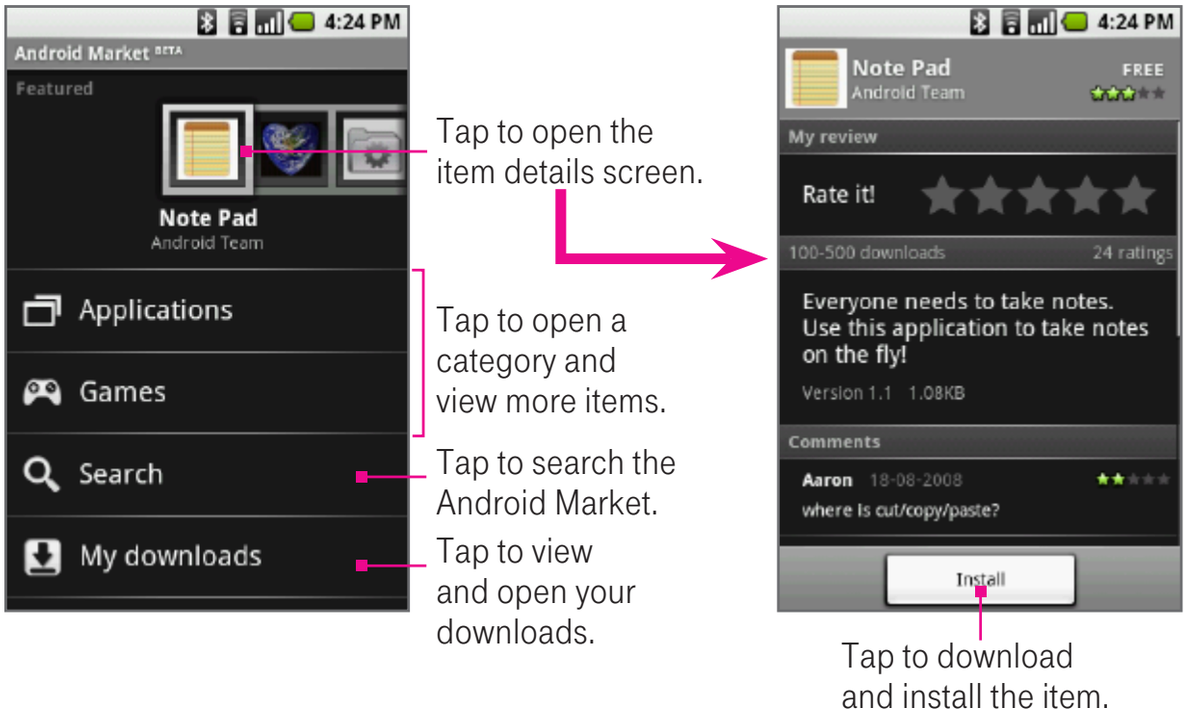
**Tip** To know more about the Android Market, press MENU, then tap **Help**. The Android Market web page will open on the screen.

### Browse items to install

The Android Market displays featured items as well as item categories such as **Games** and **Applications**. Tap a featured item to view the details screen or tap a category to browse its contents. Within each category you can select to view items in the **Popular** or **New** tab.

## Download and install an item

1. Navigate to the item that you want to download, then tap it. The item details screen appears.




2. Tap **Install**.

> **Tip** If you want to stop downloading the item, tap **Cancel download**.

3. After the item is downloaded and installed on your phone, the content download icon ( ) appears in the notification area of the Status bar.
4. Tap **My downloads** on the Android Market main screen, tap the installed item in the list, then tap **Open**.

> **Tip** You can also find the installed item in the **Applications** tab.

## Manage installed items

### To view your downloaded and installed items

On the Android Market main screen, tap **My downloads**, or press MENU and tap **My Downloads**. A list of all downloaded and installed items appears.

### To uninstall an item

1. On the My downloads screen, tap the item you want to uninstall, then tap **Uninstall**.
2. When prompted, tap **OK** to remove the item on your phone.
3. Select the reason for removing the item, then tap **OK**.

## Send feedbacks

You can rate or write a comment about an item. You can also flag an item if you find it objectionable or inappropriate. When you flag an item, a message is sent to the Android Market for follow-up action.

**Note** You have to rate an item before you can post a comment about it.

### To rate a downloaded item

1. On the My downloads screen, tap the item you want to rate, then tap **Rate it!**
2. Tap the number of stars you want to rate the item, then tap **OK**.

### To post a comment about a downloaded item

1. After rating an item, the **Post a comment** option appears below **My rating** in the item details screen. Tap this option to proceed.
2. Open the keyboard, then enter your comments in the text box.
3. Tap **OK** when finished.

### To remove a comment or rating

You can remove any comments or ratings you made for a downloaded item.

1. On the My downloads screen, tap the item you want to modify.
2. Press MENU, then tap **More > Clear my review**. Your item rating and/or comments are removed.

### To flag an item

1. On the My downloads screen, tap the item you want to flag.
2. Do any of the following:
   - If you have rated the item, press MENU, then tap **More > Flag content**.
   - If you have not rated the item, press MENU, then tap **Flag content**.
3. When prompted, select the reason why you find the item objectionable, then tap **Submit**.

**Note** If you have selected **Other objection**, you will be prompted to specify your objection to the item.

# 11.2 Alarm Clock

The **Alarm Clock** lets you set as many alarms as you want.

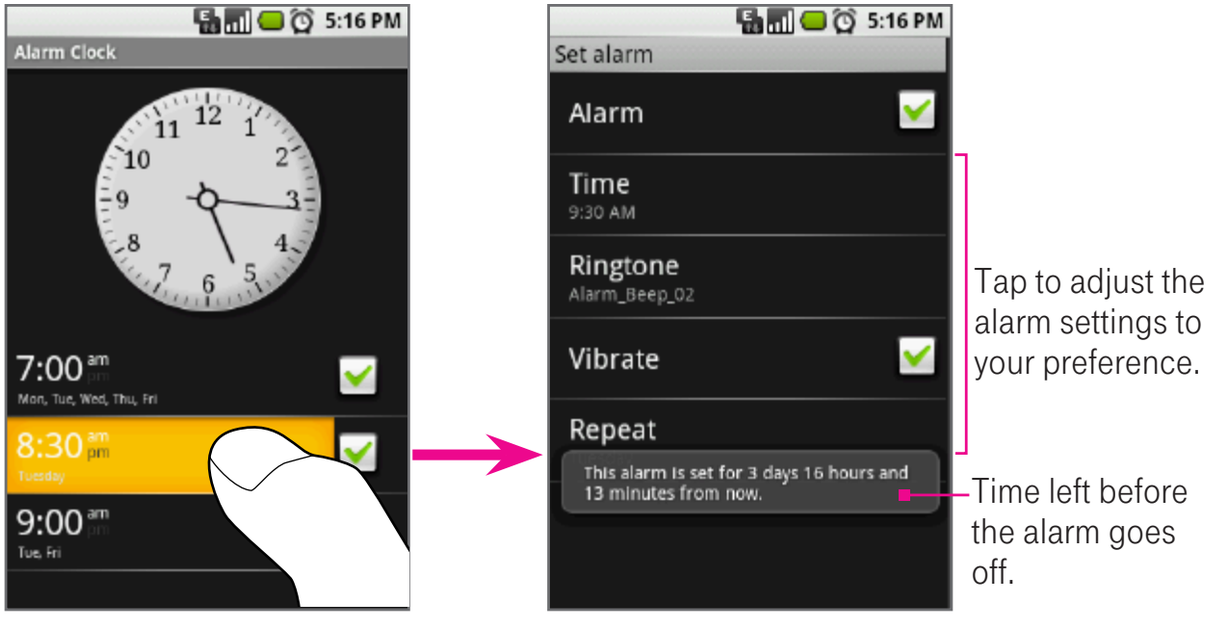
**To open Alarm Clock**

Press HOME, tap the **Applications** tab, then tap **Alarm Clock**.

When you open the Alarm Clock, three alarms are set up by default, ready for you to customise. All three alarms are turned off by default.

## Set an alarm

1. Tap a default alarm.
2. Select the **Alarm** check box to turn the alarm on.




3. Tap **Time** to set the alarm time. Adjust the time by tapping + or −. Tap AM to change to PM or vice versa, then tap **Set** when finished.

**Note** The number of hours and minutes left before the alarm goes off is briefly displayed on the screen for your information.

4. Tap **Ringtone**, then select the alarm ring tone. The ring tone plays briefly when selected.
5. Tap **Vibrate** if you want your phone to vibrate when the alarm goes off.
6. Tap **Repeat**, select the days you want the alarm to repeat, then tap **OK**. By default, the alarm repeat is set to **Never** which means that your alarm will only go off once.
7. If you need to set more than three alarms, press BACK to return to the main Alarm Clock screen, press MENU, then tap **Add alarm**.

When your alarm goes off, you will receive an alert with the options to **Snooze** (for 10 minutes) or **Dismiss**.

## Change the clock display

You can change the appearance of the clock displayed on the Alarm Clock screen:

1. On the Alarm Clock screen, tap the clock with your finger to open the clock selection screen. Available clock displays appear at the bottom of the screen.
2. Slide your fingers left or right on top of the clock displays to view them.
3. Tap the clock display you want.

**Note** To hide the clock display, on the Alarm Clock screen, press MENU, then tap **Hide clock**.

## Change the date and time display

To change the format of the time displayed in your alarms, see “Date and time” in Chapter 10.

# 11.3 Calculator

The **Calculator** lets you perform basic and advanced mathematical operations.

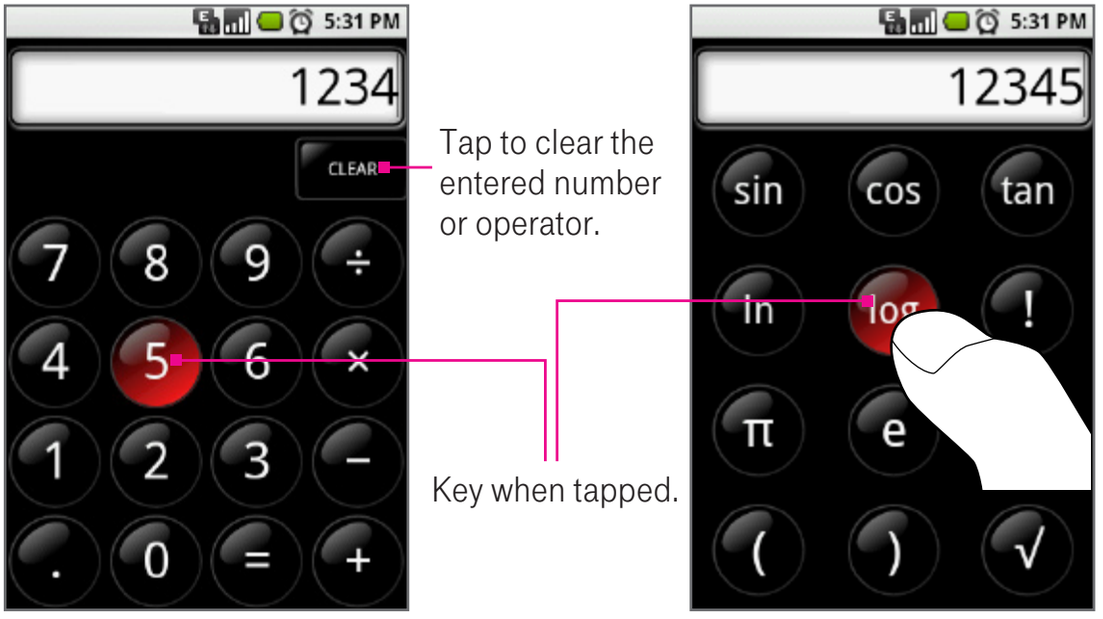
### To open Calculator

Press HOME, tap the **Applications** tab, then tap **Calculator**. The Calculator displays the Basic panel by default.

## Calculator panels

Use the Basic panel to enter numbers and perform basic addition, subtraction, multiplication, and division. Use the Advanced panel to insert advanced operators or delimiters, such as sine, cosine, tangent, square root, parentheses, and more.

- To switch between the Calculator panels, press MENU and tap **Advanced panel** or **Basic panel**, as desired. As soon as you select an advanced operator, the panel switches back to Basic, where your operator appears.




Basic panel

Advanced panel

- To enter numbers or operators, tap their respective keys on the keypad. The key flashes red when tapped. Make sure that you see the red flash before entering your next number or completing the operation.
- To delete numbers one at a time, tap **CLEAR**. To delete all numbers at once, tap and hold **CLEAR**.
- To clear the display and start a new calculation, tap and hold **CLEAR**, or press ↵ .

## Operation history

- To scroll through your operations, roll the TRACKBALL up or down.
- To clear your operation history, press MENU and tap **Clear history**.

# Appendix

## A.1 Specifications

| | |
|---|---|
| **Processor** | Qualcomm® MSM7201A™ 528 MHz |
| **Operating System** | Android™ |
| **Memory** | ROM: 256 MB<br>RAM: 192 MB |
| **Dimensions (LxWxT)** | 117.7 mm x 55.7 mm x 17.1 mm (4.60 in x 2.16 in x 0.62 in) |
| **Weight** | 158 g (5.60 ounces) with battery |
| **Display** | 3.17-inch TFT-LCD flat touch-sensitive screen with 320 x 480 HVGA resolution |
| **Network** | HSPA/WCDMA:<br>▪ 2100 MHz<br>▪ Up to 7.2 Mbps down-link (HSDPA) and 2 Mbps up-link (HSUPA) speeds<br><br>Quad-band GSM/GPRS/EDGE:<br>▪ 850/900/1800/1900 MHz<br><br>(Band frequency, HSUPA availability, and data speed are operator dependent) |
| **Device Control** | Trackball with Enter button |
| **Keyboard** | Slide-out 5-row QWERTY keyboard |
| **GPS** | GPS navigation capability with Google Maps™ |

| | |
|---|---|
| **Connectivity** | ▪ Bluetooth® 2.0 with Enhanced Data Rate<br>▪ Wi-Fi®: IEEE 802.11b/g<br>▪ HTC ExtUSB™ (11-pin mini-USB 2.0 and audio jack in one) |
| **Camera** | 3.2 megapixel colour camera with auto focus |
| **Audio** | Built-in microphone and speaker<br>Ring tone formats<br>▪ AAC, AAC+, AMR-NB, MIDI, MP3, WMA, WAV<br>▪ 40 polyphonic and standard MIDI format 0 and 1 (SMF) / SP MIDI |
| **Battery** | Rechargeable Lithium-ion battery<br>Capacity: 1150 mAh<br>Talk time: Up to 350 minutes for WCDMA<br>Up to 406 minutes for GSM<br>Standby time: Up to 402 hours for WCDMA<br>Up to 319 hours for GSM<br>(Approximations based on the phone manufacturer's lab tests.) |
| **Expansion Slot** | microSD™ memory card (SD 2.0 compatible) |
| **AC Adapter** | Voltage range/frequency: 100 - 240V AC, 50/60 Hz<br>DC output: 5V and 1A |
| **Special Features** | Digital Compass, Motion Sensor |

Note: Specifications are subject to change withour prior notice.

# A.2 Regulatory Notices

## Regulatory Agency Identifications

For regulatory identification purposes, this product is assigned a model number of **DREA110**.

To ensure continued reliable and safe operation of this product, use only the accessories listed below with your **DREA110**.

The Battery Pack has been assigned a model number of **DREA160**.

**Note** This product is intended for use with a certified Class 2 Limited Power Source, rated 5 Volts DC, maximum 1 Amp power supply unit.

## European Union Notice

Products with CE marking comply with the R&TTE Directive (99/5/EC), the EMC Directive (204/108/EEC), and the Low Voltage Directive (2006/95/EC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms (in parentheses are the equivalent international standards).

- **EN 60950-1 (IEC 60950-1)**
  Safety of Information Technology Equipment.
- **ETSI EN 300 328**
  Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; data transmission equipment operating in the 2.4 GHz ISM band and using spread spectrum modulation techniques.
- **EN 300 440-2 V1.1.2**
  Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonised EN under Article 3(2) of the R&TTE Directive.

- **EN 301 489-24**
  Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 24: Specific conditions for IMT-2000 CDMA direct spread (UTRA) for mobile and portable (UE) radio and ancillary equipment.
- **ETSI EN 301 511**
  Global system for mobile communications (GSM); Harmonised EN for mobile stations in the GSM 900 and GSM 1800 bands, covering essential requirements of article 3.2 of the R&TTE directive (1995/5/EC).
- **ETSI EN 301 489-1**
  Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements.
- **ETSI EN 301 489-7**
  Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS).
- **ETSI EN 301 489-17**
  Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2.4 GHz wideband transmission systems.

- **ETSI EN 301 908-1 & -2**
  Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third Generation cellular networks; Part 1: Harmonised EN for IMT-2000, introduction and common requirements, covering essential requirements of article 3.2 of the R&TTE Directive.
- **EN 50360 / 50361**
  Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300 MHz – 3 GHz).

CE 0678 !

This equipment may be operated in:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **AT** | **BE** | **BG** | **CH** | **CY** | **CZ** | **DE** | **DK** |
| **EE** | **ES** | **FI** | **FR** | **GB** | **GR** | **HU** | **IE** |
| **IT** | **IS** | **LI** | **LT** | **LU** | **LV** | **MT** | **NL** |
| **NO** | **PL** | **PT** | **RO** | **SE** | **SI** | **SK** | **TR** |

## Safety Precautions for Radio Frequency Exposure

Use only original manufacturer-approved accessories, or accessories that do not contain any metal.

Use of non-original manufacturer-approved accessories may violate your local Radio Frequency exposure guidelines and should be avoided.

## Exposure to Radio Frequency (RF) Signals

Your phone contains a radio transmitter and receiver. The radiated output power is far below the international radio frequency exposure limits. These limits are part of comprehensive guidelines and establish permitted levels of Radio Frequency energy for the general population. The guidelines are based on the safety standards previously set by international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992
- National Council on Radiation Protection and Measurement (NCRP). Report 86. 1986
- International Commission on Non-Ionising Radiation Protection (ICNIRP) 1996
- Ministry of Health (Canada), Safety Code 6. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in usage.

As with other mobile radio transmitting equipment, users are advised that for satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

Your phone has an internal antenna. Use only the supplied integral antenna. Use of unauthorised or modified antennas may impair call quality and damage your phone, causing loss of performance and SAR levels exceeding the recommended limits as well as result in non-compliance with local regulatory requirements in your country.

To assure optimal phone performance and ensure human exposure to Radio Frequency energy is within the guidelines set forth in the relevant standards; always use your phone only in its normal-use position. Do not touch or hold the antenna area unnecessarily when placing or receiving a phone call. Contact with the antenna area may impair call quality and cause your phone to operate at a higher power level than needed. Avoiding contact with the antenna area when your phone is IN USE optimises the antenna performance and the battery life.

Body-worn measurements were tested for typical body-worn operations with the back of your phone kept 1.5 cm from the body.

## SAR Information

0.619W/Kg@10g (Head)

1.91W/Kg@10g (Body)

## Telecommunications & Internet Association (TIA) Safety Information

### Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers:

- Should ALWAYS keep your phone more than six inches from their pacemaker when your phone is turned **on**.
- Should not carry your phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimise the potential for interference. If you have any reason to suspect that interference is taking place, turn your phone **off** immediately.

### Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult T-Mobile, or call the customer service line to discuss alternatives.

### Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your phone to determine if they are adequately shielded from external Radio Frequency energy. Your physician may be able to assist you in obtaining this information.

Turn the phone **off** in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external Radio Frequency energy.

## WEEE Notice

The Directive on Waste Electrical and Electronic Equipment (WEEE), which entered into force as European law on 13th February 2003, resulted in a major change in the treatment of electrical equipment at end-of-life.

The purpose of this Directive is, as a first priority, the prevention of WEEE, and in addition, to promote the reuse, recycling and other forms of recovery of such wastes so as to reduce disposal.

The WEEE logo (shown at the left) on the product or on its box indicates that this product must not be disposed of or dumped with your other household waste. You are liable to dispose of all your electronic or electrical waste equipment by relocating over to the specified collection point for recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical waste equipment at the time of disposal will allow us to help conserving natural resources. Moreover, proper recycling of the electronic and electrical waste equipment will ensure safety of human health and environment. For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city centre, household waste disposal service, shop from where you purchased the equipment, or manufacturer of the equipment.

## RoHS Compliance

This product is in compliance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its amendments.

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